यूनियन बैंक ऑफ इंडिया — Union Bank of India
भारत सरकार का उपक्रम — A Government of India Undertaking

Human Resource Department, Manpower Planning and Recruitment Division,
Central Office, Mumbai
Phone No.022-22896240
Recruitment of Data Scientist & Machine Learning (ML) Engineer on Contractual Basis

Online Registration of Application & Payment of Fees: From   02-08-2023 to   22-08-2023

Union Bank of India invites Online application from Indian citizen for appointment of Data Scientist & Machine Learning (ML) Engineer on Contractual Basis
Candidates are requested to apply Online through the link given on Bank's website 'www.unionbankofindia.co.in'

1. The process of Registration is complete only when fee is deposited with the Bank through Online mode on or before the last date for payment of fee.
2. Before applying the candidates should ensure that they fulfill the eligibility criteria for the post as on the date of eligibility. In case a candidate is called for interview and is found to be not satisfying the eligibility criteria (Age, Educational Qualification and Experience etc.) he/ she will not be allowed to appear for the interview. Further, if, at any stage, it is found that any information furnished in the ON-LINE application is false/ incorrect or if according to the Bank, the candidate does not satisfy the eligibility criteria for the post, his/ her candidature will be cancelled, and he/she will not be allowed to appear for the interview / joining.
3. **Candidates are required to upload all required documents (brief resume, ID proof, age proof, PWD Certificate (if applicable), educational qualification, experience etc.) failing which their application/candidature will not be considered for shortlisting/ interview.**
4. Short Listing will be provisional without verification of documents, candidature will be subject to verification of details/documents with the original when a candidate reports for interview. (If called).
5. Candidates are advised to check Bank's website 'www.unionbankofindia.co.in' under "Recruitments" > **"Careers Overview" link** regularly for details and updates (including the list of shortlisted/ selected candidates). The Call letter/ advice, where required, will be sent by e-mail only /Bank's Website (no hard copy will be sent).
6. All correspondence will be made only on the email ID mentioned by the candidate in their online application form and the same has to be kept active for receiving communication viz., call letters/Interview Dates/advice etc.
7. Candidates are requested to apply only ON-LINE through Bank's Website www.unionbankofindia.co.in. No other mode of submission of application will be accepted by the Bank.

1. DETAILS OF POSTS /VACANCY/ AGE/PLACE OF POSTING

SN	Position Name	Equivalent Designation	Total Vacancy	UR	SC	ST	OBC	EWS	TOTAL	w/w PwBD				Location	Age as on (01/08/2023)	
										VI	HI	OH	MoD		Min	Max
1	Data Scientist	Scale III	2	2	0	0	0	0	2	0	0	1	0	Mumbai*	25	35
2	Machine Learning Engineer	Scale II	2	2	0	0	0	0	2	0	0	0	0	Mumbai*	25	35
	Total Vacancies		4	4	0	0	0	0	4	0	0	1	0			

The Bank reserves the right to increase/ decrease the number of post/s or cancel the above contractual recruitment in part or full as per Bank's requirement without assigning any reason thereof.

(*) The posting location for said posts shall be at Mumbai. However, the candidate may be posted Pan India to work with the team(s) within the organization/parent organization/ any subsidiary of the parent organization if deemed necessary.

Relaxation in Upper Age Limit:

SN	Category	Age relaxation
1	Scheduled Caste / Scheduled Tribe	5 years
2	Other Backward Classes (Non-creamy layer)	3 years
3	Person with Benchmark Disabilities	10 Years (15 Years for SC/ST and 13 Years for

Note:
(i) The maximum age limit specified in point '1' above, is applicable to General/EWS Category candidates.
(ii) Candidates seeking age relaxation will be required to produce the original caste certificate and submit copies of necessary certificate(s) at the time interview and at any subsequent stage of the recruitment process as required by Bank.

2. DETAILS OF EDUCATIONAL QUALIFICATION/ OTHER QUALIFICATIONS/ EXPERIENCE (As on 22/08/2023) :

Sr. No	POST	Educational Qualification	Experience
1	Data Scientist	**Mandatory:** ➤ M.Sc. in Statistics/ B.Tech/MCA ➤ Minimum 60% marks in the applicable qualification from above **Desirable:** ➤ Ability to work independently, manage small engagements or parts of large engagements ➤ Strong problem solving and troubleshooting skills with the ability to exercise mature judgment	**Mandatory:** ➤ The candidate should have at least 5+ years of hands-on experience in mathematical modelling, machine learning, Advanced Analytics, AI and ML Use Cases with at least 3 years of technical experience & functional knowledge in Banking Industry **Desirable:** ➤ Should be strong in probability and foundations of machine learning ➤ Advanced working knowledge of Python/R or other languages/technologies for performing complex data modeling and analysis ➤ Breadth of knowledge across statistical methods, machine learning models, deep learning, natural language processing, conceptual modeling, predictive modeling, hypothesis testing to solve data problems ➤ Expert level knowledge in frameworks/libraries such as NumPy, OpenCV, Pandas, TensorFlow, Keras, Scikit-learn, NLTK, etc. ➤ Good knowledge of data visualization, SQL, ETL, and data management concepts ➤ Strong analytical thinking, and problem-solving skills ➤ Strong business acumen to understand context of the research situation and identify data analytics opportunities to differentiate analysis. ➤ Guide analytics process by framing hypotheses and stating research problem to accurately reflect the research situation ➤ Excellent people interaction skills: ability to manage complex stakeholder requests ➤ Excellent written & oral communication skills

Sr. No	POST	Educational Qualification	Experience
2	Machine Learning Engineer	**Mandatory:** ➢ B. Tech/MCA ➢ Minimum 60% marks in the applicable qualification from above **Desirable:** ➢ Strong problem solving and troubleshooting skills with the ability to exercise mature judgment ➢ Ability to work independently, manage small engagements or parts of large engagements	**Mandatory:** ➢ At least 5+ years of hands-on data science experience using Python, R for data analytics, visualization, statistical programming, data mining & NLP for problem solving and minimum 3 years' experience in Banking Industry **Desirable:** ➢ Understanding of data structures, data modeling and software architecture ➢ Ability to write robust code in Python, Java and R ➢ Familiarity with machine learning frameworks (like Keras or PyTorch) and libraries (like scikit-learn) ➢ Machine learning, recommendation systems, pattern recognition, data mining and artificial intelligence ➢ Translating insights into business recommendations ➢ Scripting languages, including Perl, Python, PHP, and shell scripts ➢ SQL, ETL, and data modeling ➢ Deep Learning frameworks like MXNet, Caffe 2, Tensorflow, Theano, CNTK, Yolo, Pytorch and Keras to help our customers build DL models. ➢ Statistics methods, including forecasting, time series, hypothesis testing, classification, clustering or regression analysis, and statistical/mathematical software (R) ➢ Strong business acumen to understand context of the research situation and identify data analytics opportunities to differentiate analysis. ➢ Excellent people interaction skills: ability to manage complex stakeholder requests ➢ Excellent written & oral communication skills

Note: The educational qualification prescribed for various posts are the minimum. Candidate must possess the qualification and relevant full-time experience as on last date for online registration.

3. **JOB PROFILE AND KEY RESPONSIBILITY AREAS:**

Sr. No	POST	Skills & Job Description / Key Responsibilities
1	Data Scientist	➢ Develop data solutions and insights using data modeling, machine learning, statistics, analytics, mathematics, and Computer Sciences. ➢ Understand data structures using computer programs/algorithms, explain complex data architectures to prepare data for analysis, and make sense out of data ➢ Perform statistical analysis of large data sets to better understand trends and relationships between variables to inform predictive insights ➢ Demonstrate ability to creatively employ new research tools to analyse data and derive unique findings for client, industries and market data ➢ Communicate research findings using compelling visualizations and well written reports. Design and build data visualizations using diverse sets of structured and unstructured data. ➢ Lead development of research reports that are created using credible qualitative and quantitative methodologies and based on key insights and findings from the studies. ➢ Conduct trainings for broader teams on statistical analysis ➢ Propose creative analytics ideas to explore advanced analytic techniques, such as predictive analytics, data mining, text mining, and/or sentiment analysis. ➢ Maintain project status and trackers

Sr. No	POST	Skills & Job Description / Key Responsibilities
2	Machine Learning Engineer	➢ Deploy ML and DL models to production ➢ Optimize the model performance, latency, memory and throughput ➢ Conduct inference testing on hardware, version control of models, metadata, experiments ➢ Monitor model performance, maintenance, debugging, optimize deployment workflow ➢ Design and develop AI solutions to address business process automation challenges by applying Machine Learning models, Deep Learning, Classification models, statistical methods and NLU/NLP ➢ Develop scalable tools, analytics model leveraging machine learning, data regression, and rules-based models. ➢ Code deliverables in tandem with the engineering team. ➢ Adapt standard machine learning methods

4. How to Apply:

Candidate should have valid email ID/Mobile phone number which should be kept active till the declaration of result. It will help her/him in getting call letter/interview advises etc.

GUIDELINES FOR FILLING ONLINE APPLICATION:

I. Candidates should visit Bank's website www.unionbankofindia.co.in and register themselves online in the appropriate Online Application Format, available through the link being enabled under Recruitment ---> Careers Overview-->Click here to view current Recruitments--> Recruitment Of Data Scientist & Machine Learning (ML) Engineer on Contractual Basis -->Click here to apply online .

II. Candidates are required to sign up with entering correct First & Middle Name, Last Name, Mobile Number and Email ID as these fields are non-editable after sign up process. Further, after login, candidates are required to complete the application and upload all required documents (brief resume, ID proof, age proof, PWD Certificate (if applicable), educational qualification, experience, latest Salary Slip etc.). Candidates are also required to upload their scanned photograph and signature and pay the application fee using Internet Banking/ Debit Card/ Credit Card /UPI etc. Please refer to Annexure I regarding scanning of photograph & signature.

III. Candidates are advised to carefully fill in the online application themselves as no change in any of the data filled in the online application will be possible/ entertained. Prior to payment of application fee candidates are advised to verify the details in the online application form and modify the same if required. No change is permitted after payment of application fee.

IV. After successful transaction application will be submitted after which application number will be generated. After registering online, the candidates are advised to take a printout of the system generated online application forms.

V. The name of the candidate should be spelt correctly in the application as it appears in the certificates/ mark sheets/Service records. Any change/ alteration found may disqualify the candidature.

VI. An online application which is incomplete in any respect will not be considered as valid.

VII. Candidates are advised in their own interest to apply online much before the closing date and not to wait till the last date to avoid the possibility of disconnection / inability / failure to log on to the website on account of heavy load on internet or website jam.

VIII. Union Bank of India does not assume any responsibility for the candidates not being able to submit their applications within the last date on account of aforesaid reasons or for any other reason beyond the control of the Bank.

GUIDELINES FOR PAYMENT OF FEES:

Category of Applicant	Amount Payable
UR/EWS/OBC	Rs.850.00 (Inclusive of GST)
SC/ST/PwBD Candidates	Rs.175.00 (Inclusive of GST) *

*Applicable Intimation charges

I. After ensuring correctness of the particulars in the application form, candidates are required to pay the fees through payment gateway integrated with the application. No change/ edit in the application will be allowed thereafter.

II. Fee payment will have to be made online through payment gateway available thereat. The payment can be made by using Debit Card/ Credit Card/ Internet Banking/UPI etc. by providing information as asked on the screen. Transaction charges for online payment, if any, will be borne by the candidates.

III. On successful completion of the transaction and submission of application, application form, bearing the date of submission by the candidate, will be generated which should be printed and retained by the candidate.

IV. If the online payment of fee is not successfully completed in first instance, please make fresh attempts to make online payment.

V. A provision is there to reprint the Application form containing fee details, at later stage.

VI. Application Fee once paid will NOT be refunded on any account NOR can it be adjusted for any other examination or selection in future.

Candidates are advised to check Bank's website 'www.unionbankofindia.co.in' under "Recruitments" > "Careers Overview" link regularly for details and updates (including the list of shortlisted/ selected candidates). The Call letter/ advice will be sent by e-mail /Bank's Website (no hard copy will be sent).

All revisions/ corrigendum (if any) will be hosted on the bank's website only.

Help Facility:

In case of any problem in filling up the form, payment of fee/intimation charges, complaints may be made at email id recruitment@unionbankofindia.bank. Do not forget to mention ""Notification for Recruitment of Data Scientist & Machine Learning Engineer on Contractual Basis" in the subject of the email.

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5. REMUNERATION:

The remuneration will be offered based on candidate's qualifications, experience and overall suitability for the respective posts based on the negotiations and shall not be a limiting factor for suitable candidate. The compensation will be on CTC basis.

The contract employee will be liable for tax liabilities as per Income Tax Act & Rules in force and the tax will be deducted at source. The amount of compensation being cost to the Bank will be inclusive of any statutory payments that Bank may be required to pay on behalf of the contract appointee.

6. NATURE OF EMPLOYMENT:

Nature of employment will be contractual. Initially, the Contractual Engagement will be for the period of 3 years, subject to periodic performance review. The term of engagement may be extended at the sole discretion of the Bank for a period of one year a time and maximum five years in total. The contract employee shall have no right or claim for regular employment in the organization.

7. SELECTION PROCEDURE:

i. The selection will be based on shortlisting-cum-interaction/interview. Merely fulfilling minimum qualification and experience will not vest any right in candidate for being called for interview.

ii. The Screening Committee constituted by the Bank will decide the shortlisting parameters and thereafter, adequate number of candidates, as decided by the Bank will be shortlisted and called for interview.

iii. The decision of the Bank to call the candidates for the interview shall be final. No correspondence will be entertained in this regard.

iv. The list of candidates shortlisted for interview & subsequent selection shall be published on Bank's website. Intimation/ call letter for interview will be sent by email or will be uploaded on Bank's website. **NO HARD COPY WILL BE SENT.**

v. The final appointment will be based on the decision of the Selection Committee constituted for the purpose on the basis of Personal Interview/interaction subject to fulfilling minimum qualification and experience.

vi. A Personal Interview shall be conducted to assess the academic & job knowledge, power of expression, clarity of thoughts, qualities of leadership, extracurricular activities, hobbies, general demeanor, behavior, communication skills, suitability for the post, etc. of the applicant. The minimum qualifying marks in the Personal Interview would be 50% of total marks (45% of total marks in case of PwBD applicants). The applicants not securing the minimum qualifying marks in the Personal Interview will be disqualified for selection.

vii. Merit list for selection will be prepared in descending order on the basis of scores obtained in interview only. In case of equal marks by two or more candidates, merit order of such group of candidates will be on the basis of Date of Birth i.e., candidate senior in age will be placed higher in the merit list.

viii. Wait list of remaining qualified candidate up to a limit of 100% of notified vacancies shall be drawn up and maintained to meet the requirement of the Bank in respect of non-acceptance / non reporting by the selected candidates or in respect of non-acceptance /non reporting of Wait listed candidates.

8. CALL LETTER FOR INTERVIEW:

Intimation/ call letter for interview will be sent by email or will be uploaded on Bank's website. NO HARD COPY WILL BE SENT.

9. GENERAL INSTRUCTIONS:

i. Engagement of selected candidate is subject to his / her being declared medically fit as per the requirement of the Bank. Such engagement will also be subject to the service and conduct rules of the Bank for such post in the Bank, in force at the time of joining the Bank.

ii. Candidates are advised to keep their e-mail ID / Mobile phone number alive / active for receiving communication viz. call letters / Interview date advises etc.

iii. The Bank takes no responsibility for any delay in receipt or loss of any communication.

iv. Candidates belonging to reserved category including, for whom no reservation has been mentioned, are free to apply for vacancies announced for unreserved category provided they fulfill all the eligibility conditions applicable to unreserved category.

v. Candidates serving in Govt. / Quasi Govt. offices, Public Sector undertakings including Nationalized Banks and Financial Institutions are advised to submit 'No Objection Certificate' from their employer at the time of interview, failing which their candidature may not be considered and travelling expenses, if any, otherwise admissible, will not be considered for payment.

vi. In case of selection, candidates will be required to produce proper discharge certificate from the employer at the time of taking up engagement.

vii. The applicant shall be liable for civil / criminal consequences in case the information submitted in his / her application are found to be false at a later stage.

viii. Decision of the Bank in all matters regarding eligibility of the applicant, the stages at which such scrutiny of eligibility is to be undertaken, documents to be produced, Personal Interview, selection and any other matter relating to recruitment will be final and binding on the applicant. While applying for the post, the applicant should ensure that he / she fulfills the eligibility and other criteria mentioned above and that the particulars furnished are correct in all respects. In case it is detected at any stage of recruitment that applicant does not fulfill the eligibility norms and / or that he / she has furnished any incorrect / false information/document or has suppressed any material fact(s), his / her candidature will automatically stand cancelled. If any of the above shortcoming(s) is / are detected even after recruitment, his/her contract is liable to be terminated without any notice.

ix. Candidates are advised, in their own interest, to apply online well before the closing date and not to wait till the last date to avoid the possibility of disconnection / inability / failure to log on to the website on

account of congestion, heavy load on internet or website jam. Union Bank of India does not assume any responsibility for the candidates not being able to submit their applications within the last date on account of aforesaid reasons or for any other reason beyond the control of Union Bank of India.

x.   The staff on contract shall not be entitled to any superannuation benefits viz., Provident Fund, Pension, Gratuity, etc.

xi.   Where only interview, without any written test, is the mode of recruitment, merely satisfying the eligibility norms does not entitle a candidate to be called for interview. Bank reserves the right to call only the requisite number of candidates for the interview after preliminary screening / short-listing with reference to candidate's qualification, suitability, experience etc.

xii.   At the time of interview, the candidate will be required to provide details regarding criminal case(s) pending against him /her, if any. The Bank may also conduct independent verification, inter alia including verification of police records etc. The Bank reserves right to deny the engagement depending upon such disclosures and/or independent verification.

xiii.   Candidates will have to appear for the Selection Process at their own expense.

xiv.   Intimations, wherever required will be sent by email and SMS only to the email ID and mobile number registered in the online application form. Bank shall not be responsible if the information/ intimations do not reach candidates in case of change in the mobile number, email address, technical fault or otherwise, beyond the control of Bank. Candidates are advised to keep a close watch on the authorized Bank's website www.unionbankofindia.co.in for latest updates.

xv.   All further announcements/Addendum or Corrigendum (if any)/details pertaining to this process will only be published/ provided on authorized Bank's website www.unionbankofindia.co.in from time to time under "Recruitments" > "Careers Overview" link. No separate communication/intimation will be sent to the candidates who are not shortlisted/not selected in the process. All notification/communication placed on the Banks' website shall be treated as intimation to all the candidates who have applied for the said project.

xvi.   The Bank reserves the right to alter, modify or change the eligibility criteria and / or any of the other terms and conditions spelt out in this Notification.

xvii.   Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement and / or an application in response thereto can be instituted only in Mumbai and Courts / Tribunals / Forums at Mumbai only shall have sole and exclusive jurisdiction to try any case / dispute.

xviii.   BANK RESERVES THE RIGHT TO CANCEL THE RECRUITMENT PROCESS ENTIRELY AT ANY STAGE WITHOUT ASSIGNING ANY REASON THEREOF.

*****Bank is not responsible for printing errors if any*****

Place : Mumbai   Sd/-
Date : 02/08/2023   Chief General Manager (HR)

Guidelines for scanning and Upload of Photograph (4.5cm × 3.5cm), Signature and other documents

Before applying online, a candidate will be required to have a scanned (digital) image of his/her photograph, signature, left thumb impression and the hand-written declaration as per the specifications given below.

i) Photograph Image: (4.5cm × 3.5cm)
- Photograph must be a recent passport style colour picture.
- Make sure that the picture is in colour, taken against a light-coloured, preferably white, background.
- Look straight at the camera with a relaxed face
- If the picture is taken on a sunny day, have the sun behind you, or place yourself in the shade, so that you are not squinting and there are no harsh shadows
- If you use flash, ensure there is no "red-eye"
- If you wear glasses make sure that there are no reflections, and your eyes can be clearly seen.
- Caps, hats, and dark glasses are not acceptable. Religious headwear is allowed but it must not cover your face.
- Dimensions 200 x 230 pixels (preferred)
- Size of file should be between 20kb-50 kb

ii) Signature:
- The applicant has to sign on white paper with Black Ink pen.
- Dimensions 140 x 60 pixels (preferred)
- Size of file should be between 10kb – 20kb
- The signature should be of the applicant and not by any other person.
- If the Applicant's signature on the attendance sheet or Call letter, signed at the time of the examination/interview, does not match the signature uploaded, the applicant will be disqualified.

NOTE:
- Signature in CAPITAL LETTERS shall NOT be accepted.
- Ensure that Photo and Signature uploaded at the specified spaces only in the online application form.

Procedure for Scanning Photograph & Signature:

- Set the scanner resolution to a minimum of 200 dpi (dots per inch)
- Set Colour to True Colour
- File Size as specified above
- Crop the image in the scanner to the edge of the photograph/signature, then use the upload editor to crop the image to the final size (as specified above).
- The image file should be JPG or JPEG format. An example file name is: image01.jpg or image01.jpeg. Image dimensions can be checked by listing the folder files or moving the mouse over the file image icon.
- Candidates using MS Windows/MSOffice can easily obtain documents in .jpeg format by using MS Paint or MSOffice Picture Manager. Scanned documents in any format can be saved in .jpg / .jpeg format by using 'Save As' option in the File menu. Size can be adjusted by using crop and then resize option.

Procedure for Uploading the documents:

- While filling in the Online Application Form the candidate will be provided with separate links for uploading Photograph, signature, and other documents
- Click on the respective link "Upload Photograph / signature /other documents"
- Browse and select the location where the Scanned Photograph / signature / other documents file has been saved.
- Select the file by clicking on it
- Click the 'Open/Upload'
- If the file size and format are not as prescribed, an error message will be displayed.
- Preview of the uploaded image will help to see the quality of the image. In case of unclear / smudged, the same may be re-uploaded to the expected clarity /quality.

Your Online Application will not be registered unless you upload your Photograph, signature and other documents as specified.