Department of Information Technology
Indian Institute of Information Technology, Allahabad
Prayagraj, Allahabad 211015 (UP) India

Advt. No. IIITA/IT Dated –19/11/2026

Rolling Basis Advertisement for the Junior Research Fellow and Research Associate-I
Under the Research Project titled
"An Agentic AI-Driven Automated VPN Detection and De-anonymization Framework for Threat Intelligence using Hybrid Approaches"
Funded by
Cyber Security Division, Ministry of Electronics and Information Technology

Applications are invited for the Contractual position of Junior Research Fellow and Research Associate-I under the Meity-sponsored project titled **as above.**

Candidates must submit the **duly completed application in the prescribed format (Annexure–I)** along with **copies of supporting documents only in soft copy form**. The application package should be sent via email to **DLL@IIITA.AC.IN** with the subject line: "Application for the post of JRF/RA-I".

Name of the Position	Number of Posts	Essential Qualification	Fellowship
Research Associate-I (RA-I)	01	Ph.D. OR having 3 years of research, teaching or design and development experience after MSc/MS/ME/M.Tech, with at least one research paper published in a Science Citation Indexed (SCI/SCIE) journal.	₹58,000 per month + HRA (as per institute/project norms.)
Junior Research Fellow (JRF)	01	Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following: a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.	₹37,000 per month + HRA (as per institute/project norms.)

In addition, applicants **must fill out the appropriate Google Form** corresponding to the position they are applying for:

- **For Junior Research Fellow (JRF):** https://forms.gle/brW1XC6JbAozGcDh7

- **For Research Associate-I (RA-I):** https://forms.gle/zr7hZ3gRTGjzrwPf6

Applications will be reviewed on a rolling basis. Shortlisted candidates will be contacted for interviews as and when suitable applications are received, and the position will remain open until filled.

For any queries/application by email, candidates may contact ***through email at dllmeity@iiita.ac.in***

Desirable Qualifications (for all positions)

Candidates having hands-on experience or good knowledge in Two or more of the following areas will be preferred:

- ➢ Computer Network (specially OSI Layer, Traffic Analysis & Communications Protocols)
- ➢ VPN and proxy identification using network traffic (Layer-7) and Deep Packet Inspection (DPI).
- ➢ Applying AI / ML / Deep Learning models for VPN detection and anomaly classification.
- ➢ Using Agentic AI for automated or intelligent decision-making.
- ➢ Graph-based analysis of network data.
- ➢ Working with VPN and proxy repositories, including dark web indicators.
- ➢ Packet capture and analysis using tools such as *Wireshark*, *TShark*, or *tcpdump*.
- ➢ Developing web dashboards for data visualization and alerts.
- ➢ Performing time-series and real-time network analysis using telemetry data.
- ➢ Detecting network anomalies using adaptive thresholds.
- ➢ Following ethical research practices in data handling and analysis.
- ➢ Knowledge of programming in Python and experience with shell scripting or similar tools for data processing and automation will be an added advantage.

Note

1. The above post is purely temporary and co-terminus with the project.
2. The applicant will be responsible for the authenticity of information, other documents and scan copies submitted.
3. The interview will be conducted in Online/Offline Mode. Further details will be sent to only shortlisted candidates.
4. The offer of appointment to the candidates will be purely on contractual basis for one year initially. It may be extended for another year/till the completion of the project, whichever is earlier, based on the satisfactory performance of the candidate.
5. The selected candidates need to join immediately.
6. No TA/DA will be applicable to the candidates for appearing for the interview or joining the duty.
7. The Institute reserves the right to accept applications at any time, and consider candidates of exceptional credentials without applications. Qualification and experience may be relaxed at any point of time for exceptional candidates.
8. Mere, possessing the prescribed qualification does not ensure that the candidate would be called for Interview. The shortlisting will be done based on the need of the project.

9. Only shortlisted candidates will be informed by e-mail about the interview date. So, the candidate must provide valid E-mail IDs in their applications.
10. The first and foremost responsibility of the candidate is to fulfil the jobs' requirements to complete the above mentioned project in a timely manner.
11. The JRF can be promoted to SRF after two years of relevant research experience and on the recommendation of the project progress monitoring committee.
12. The RA-I can be promoted to RA-II after one year of relevant research experience and on the recommendation of the project progress monitoring committee.
13. The association between PI and the candidate can be discontinued at any time by giving one month's notice in writing either by the PI of the project to the candidate, or by candidate to the PI of the project.
14. Candidates selected for this position are encouraged to apply for the regular PhD program at IIIT Allahabad, provided they satisfy the eligibility criterion followed by the selection process laid down by the institute.

Prof. Vrijendra Singh
Chief Investigator - MEITYProject
Deep Learning Lab,
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Indian Institute of Information Technology Allahabad (IIITA)
Jhalwa, Prayagraj-211015 (U.P.) – India.
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Annexure - I

Department of Information Technology
Indian Institute of Information Technology Allahabad
Prayagraj, 211015 (UP), India

Advt. No. IIITA/IT

For office use only

Application No…….

APPLICATION FORMAT **(for candidates applying through email)**

Date……

Research Project Entitled:
An Agentic AI-Driven Automated VPN Detection and De-anonymization Framework for Threat Intelligence using Hybrid Approaches
Funding Agency: Ministry of Electronics and Information Technology
Name of position: Junior Research Fellow/Research Associate-I/Post-Doctoral Fellow

1. Name of the Candidate (In Capital):
2. Sex (Male/Female):
3. Marital Status (Married/Unmarried):
4. Date of Birth:
5. Father's/Husband's Name:
6. Present/Contact Address:
7. Permanent Address:
8. Mobile No:
9. E-mail:
10. Nationality:
11. Category Gen/EWS/SC/ST/OBC/PH:
12. GATE/NET

Branch	Year	Valid up to	Percentile (& Score)	All India Rank

13. Educational Qualification (10th onward):

Qualification	**Subject/Discipline**	**Board/Institute/ Univ.**	**Year of passing**	**% of marks**	**Division**

10th					
12th					
Diploma, if any					
B.E./B.Tech					
MSc/M.E./M.Tech					
PhD					

14. Summary of MSc/M.E/M.Tech Thesis (Maximum 150 words):***Enclose a separate sheet***
15. Research Publications (Maximum Best 5): ***Enclose a separate sheet (only list)***
16. Details of Experience in chronological order. ***Enclose a separate sheet***
17. Any other information: ***Enclose a separate sheet***
18. Indicate whether you propose to register for higher degree at IIITA,Allahabad: Yes/No (Name of higher degree is Ph.D.)

DECLARATION

I hereby declare that all the statements made in this application are true and complete and nothing has been concealed/distorted. I am aware that, if at any time I am found to have concealed/distorted any material information, my engagement is liable to be summarily terminated without notice.

Place: Signature of the Applicant
Date:

Checklist

1. Copy of documents
2. Proof of Date of Birth
3. Mark sheets & certificates of all the examination passed
4. Category Certificate, if applicable
5. Publication details
6. Experience certificate, if any