



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

Advt. No. IIITA/IT

Dated –29/10/2025

Advertisement for the Junior Research Fellow/Research Associate-I/Post-Doctoral Fellow
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 (/Research Associate-I /Post-Doctoral Fellow 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/PDF”.

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>
- **For Post-Doctoral Fellow (PDF):** <https://forms.gle/7sMSpT2wbK5EPxVR9>

Name of the Position	Number of Posts	Essential Qualification	Fellowship
Post-Doctoral Fellow (PDF)	01	Ph.D or equivalent degree with relevant experience, and three research papers published in Science Citation Indexed (SCI) journals.	₹90,000 per month (including HRA) as per institute/project norms.
Research Associate-I (RA-I)	02	Ph.D. OR having 3 years of research, or design and development experience after MSc/MS/ME/M.Tech, with at least one research paper published in a Science Citation Indexed (SCI) journal.	₹58,000 per month + HRA (as per institute/project norms.)
Junior Research Fellow (JRF)	02	B.E./B.Tech and MSc/M.E./M.Tech. in CSE / IT / Cybersecurity / AI / ML / Data Science or any other relevant branch, both with First Class (minimum 65% marks or 7.0 CGPA on a 10-point scale) from a recognized institution. The candidate must have qualified NET or GATE.	₹37,000 per month + HRA (as per institute/project norms.)

The last date for submission of both the **soft copy of the application** and the **Google Form** is **30 November 2025**.

For any queries, candidates may contact **through email at DLL@IITA.AC.IN or on mobile at +91-8840071479.**

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. Candidate selected for this position is 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 - Project

Deep Learning Lab & Center for Intelligent Robotics

Department of Information Technology

Indian Institute of Information Technology Allahabad (IIITA)

Jhalwa, Prayagraj-211015 (U.P.) – India.

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

Annexure - I

Advt. No. IIITA/IT

For office use only

Application No.....

APPLICATION FORM

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