



INDRAPRASTHA INSTITUTE of  
INFORMATION TECHNOLOGY  
DELHI

## Networking and Security Lab (NSL)

B515 R&D Block,  
Indraprastha Institute of Information Technology Delhi (IIIT Delhi),  
Okhla Phase III  
New Delhi 110020

### **Call for applications -- PhD candidates, Research Engineers and Research Assistants.**

May 26, 2020

#### **Overview**

Cyberspace has become the 21st-century battleground for wars, dissent and geopolitics. Security issues -- ranging from vulnerable personal computing resources, corporate and business equipment, government and defence cyberinfrastructure, cyber dissidence, espionage and counter-espionage. The role of cybersecurity research is to explore complex problems of such varied natures and provide efficient ingenious solutions. It is an interdisciplinary field, involving cryptography, software systems, computer networking, social media, computer hardware, policy management, law and ethics.

We at NSL focus on various research projects related to network security, threats and threat prevention, intrusion detection, network performance measurements etc. Are you proactive, enthusiastic, a talented programmers/coders with strong C/C+, computer network and operating systems background ? Do you have a keen interest to pursue research in areas related to Networking and Security ?

If you think you fit the bill, look no further. Contact us (details below) with your detailed CV, for the following exciting positions:

## Post Doctoral Fellows

**Job description:** We solicit applications for recently graduated, or soon to graduate, doctoral students, who wish to pursue research in the field of Computer Networking and Security. As a post doctoral fellow, you would work closely with the faculty members, almost as a “junior colleague” and conduct quality research, along with working on proposals, papers and projects. The post doctoral fellows, along with the PhD students, would serve the analytical and think tank of various research problems and would be working closely with Research Engineers and Assistants. Not only would you be expected to have good computer networking, OS, C/C++ programming skills, but also strong verbal and written communication skills. You must be willing to work very hard, think on your feet and be a generally curious minded individual.

**Minimum qualifications:** Ph.D. (Computer Sc. or allied area) from reputed institution / university anywhere in the world with strong foundation in computer networking, security, operating systems and programming in C/C++.

**Salary:** Comparable to what is given by Govt. of India DST sponsored research projects (**over Rs. 65,000/month**).

**Funding source:** A defense organization under the Government of India.

**Job type:** The post doctoral candidates would be (renewable) contractual appointments, consisting of 6 months to 1 year contracts.

**How to apply:** Send an email attached with your CV to [nsl-app@iiitd.ac.in](mailto:nsl-app@iiitd.ac.in), with subject line “Position -- Postdoc” by June 10, 2020.

## Doctoral Fellows

**Job description:** We are also welcoming applications from prospective doctoral candidates, willing to pursue PhD in areas related to Computer Networks and Security. The PhD students are generally the lieutenants of any research exercise/project. Like most world class research universities, the PhD students of NSL@IIITD focus on fundamental research problems and try and find ingenious solutions to them. Not only they expected to have good computer networking, OS, C/C++ programming skills, but should be very willing to tinker around with low-level, systems and networks stuff, network devices like routers and switches etc. You must be willing to work very hard, think on your feet and a generally curious minded individual.

**Minimum qualifications:** B.Tech (Computer Sc., ECE, IT) from reputed engineering institutions in the country with strong background in C/C++ programming, OS and Computer Networks.

**Salary:** Comparable to what is given by Govt. of India DST sponsored research projects (**over Rs. 35,000 / month**).

**Funding source:** A defense organization under the Government of India.

**Job type:** There is no overall time limit for doctoral research. Normally, at IIIT Delhi, students complete their doctoral thesis work in about 5 years. However, the actual duration may vary, subject to students' interest and chosen research problem(s).

**How to apply:** Send an email attached with your CV to [nsl-app@iiitd.ac.in](mailto:nsl-app@iiitd.ac.in), with subject line ``Position -- PhD'' by June 10, 2020.

## Research Engineers

**Job description:** A research engineer would be engaged in building and implementing various networks and security related systems, along with helping solve allied and underlying research challenges. As a part of the team, you would be expected to be at the frontline of important design and implementation cycles, along with playing a key role in the research challenges therein. You should be very willing to tinker around with low-level, systems and networks stuff, network devices like routers and switches etc.

**Minimum qualifications:** B.Tech (Computer Sc., ECE, IT) from reputed engineering institutions in the country with strong background in C/C++ programming, OS and Computer Networks.

**Salary:** Significantly more (atleast 40% more) than what is offered to RAs in top-tier IITs (*over Rs. 50,000 / month*).

**Funding source:** A defense organization under the Government of India.

**Job type:** Contract renewed annually subjected to performance and productivity, after a three month probation period. Possibility of extension for three years, contingent upon excellent performance.

**How to apply:** Send an email attached with your CV to [nsl-app@iiitd.ac.in](mailto:nsl-app@iiitd.ac.in), with subject line ``Position -- RE" by June 10, 2020.

## Research Assistants

**Job description:** Role of research assistants would be similar to that of Research Engineers and would help in the design, implementation and data collection processes. However, unlike Research Engineers, we are open to applications from 3rd/4th year B.Tech students as well.

**Minimum qualifications:** 3rd/4th year B.Tech (Computer Sc., ECE, IT, Instrumentation, Mech.) students and graduates from reputed engineering institutions in the country with strong background in C/C++ programming. Knowledge of OS and Computer Networks preferred but not mandatory.

**Salary:** Comparable to what is offered to RAs in top-tier IITs (*about Rs. 30,000 / month*).

**Funding source:** A defense organization under the Government of India.

**Position type:** Contract renewed every six months subjected to performance and productivity, after a one month probation period. Possibility of promotion to the position of Research Engineer, contingent upon excellent performance.

**How to apply:** Send an email attached with your CV to [nsl-app@iiitd.ac.in](mailto:nsl-app@iiitd.ac.in), with subject line ``Position -- RA" by June 10, 2020.

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