Aniket Pradhan

[redacted], Email: [redacted]
DOB: March 21, 1999
Skype ID: live:[redacted]
Address: [redacted]

Education

Indraprastha Institute of Information Technology — CGPA: X.XX
B.Tech (ECE)
2017 – Present

Father Agnel School, Gautam Nagar, New Delhi 110049 — Percentage: 94.2%
CBSE
2015 – 2017

Father Agnel School, Gautam Nagar, New Delhi 110049 — CGPA: 10
CBSE
2005 – 2015

Skills

Expertise Area	System Management (Linux), Android Mobile App Development, Web Development, Databases
Programming Language	Java, Python, C#, JavaScript (React), C++, Verilog
Tools and Technologies	Android, Unity, PyTorch, Containerization, HDL Coding
Technical Electives	Advanced Programming, Competitive Programming

Internship

[redacted]

UI Designer, RealVol (Industrial) (May,18 – July, 18)
Guide: Palash Bansal
Worked on Unity VR and C#, to create and improve the UI of the product, RealVol

Junior Android Developer, OutWorx Solutions (Industrial) (Jun, 18 – Jul, 18)
Guide: Gaurav Aggarwal
Created and implemented simple animations for Android, and

Implemented scalable widgets for Android Applications.

Projects

Efficient Filling of C+L Bands for an Optical Network. (May,19 – May,20)
Guide: Dr. Abhijit Mitra
It is my B-Tech Project (BTP) and will be committed to the project for at least two semesters.

Deep Neural Network Based Predictions of Protein Interactions Using Primary Sequences. (Oct, 18 – Feb, 19)
Guide: Dhananjay Kimothi
The project was related to Deep Learning-based predictions of Protein-Protein based interactions (PPIs) using their sequences. Using the predictions we could provide valuable insights into protein functions, disease occurrence, and therapy design on a large scale.

I was responsible for working on Deep Structured Semantic Network (DSSM). I also worked on a tool to scrape and organize data for the respective needs.

IoT Lock (Dec, 17 - Apr, 18)

An automated lock, which can be controlled from the internet, using any device. It features security, robustness, and provides a key-less entry.

The communication was secured using HTTPS and TLS protocols, making it difficult to snoop onto the network.

It was a part of my Introduction to Engineering Design course.

Publications

- R. K. Jana, A. Mitra, A. Pradhan et al, "When Multiband Elastic Optical Networks Becomes More Economical Than Multiber Elastic Optical Networks?", European Conference on Optical Communication 2020, submitted
- A. Sinha, A. Pradhan, Q. Fang et al, "Comp-NeuroFedora, a Free/Open Source operating system for computational neuroscience: download, install, research", Org. for Computational Neurosciences 2020, in press
- A. Mitra, D. Semrau, N. Gahlawat, A. Pradhan et al, "Capacity Benets of Operation Over C+L Band Elastic Optical Network in the Indian Network Scenario", IEEE ANTS 2019, in press

Positions of Responsibility

- [redacted] [redacted]
- **Web Admin**, Summer Camp @IIIT Delhi (2019)
- **Volunteer**, Summer Camp @IIIT Delhi (2019)
- **Web Admin**, Research Showcase 2018 (Apr 2018)
- **Event Head**, Robowars @ Esya 2018 (August 2018)
- **Event Head**, Student Breakthrough @ Research Showcase 2018 (Apr 2018)

Interests and Hobbies

- Managing Linux based systems
- Game Design
- Web Development
- Server management

Declaration: The above information is correct to the best of my knowledge.
Aniket Pradhan
Date: [redacted]