

Aniket Pradhan

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in /AP9989
/Aniket-Pradhan
homepage

Summary

- An undergraduate student, currently pursuing Electronics and Communications Engineering at IIIT - Delhi. I am a Super nerd who loves Linux, Vim and enjoys customizing my development environment. Interested in Deep Learning, Optics, Image Processing, solving problems more efficiently and learning new technologies.

Education

Indraprastha Institute of Information Technology

Bachelors in Electronics and Communications Engineering

2017 – Present

New Delhi, India

Father Agnel School

Senior Secondary School

2015 – 2017

New Delhi, India

Work Experience

RealVol

UI Designer Intern

May 2018 – July 2018

New Delhi, India

- > Worked on Unity VR and C#, to create and improve the UI of the product, RealVol

OutWorx Solutions Pvt. Ltd.

Android Developer Intern

June 2018 – July 2018

New Delhi, India

- > Created and implemented simple animations for Android.
- > Implemented scalable widgets for Android Applications.
- > Worked on Android Studio, using a mix of Java and Kotlin.

Projects

Efficient Filling of C+L Bands for an Optical Network.

May 2019 - Present

- > Comparing of an optical network working on the C band and the C+L band.
- > Optimizing the routing algorithms and minimizing fragmentation.
- > Studying different topologies and researching the best available topology

Deep Neural Network Based Predictions of Protein Interactions using Primary Sequences

Oct. 2018 - Feb. 2019

- > Written a tool in Python to automate data collection and organize the data in a pretty SQL table.
- > Clustered many similar data items.
- > Worked on and implemented Deep Structured Semantic Network (DSSM) in Python using Tensorflow

IoT Smart Lock

Dec. 2017 - Apr. 2018

- > Automated lock, which can be controlled via the Internet.
- > Provides a key less access to the lock, with robust technologies.
- > Secure communications between the clients and the host, using TLS 1.2
- > It was a part of my Introduction to Engineering Development course.

Publications

- A. Mitra, D. Semrau, N. Gahlawat, A. Pradhan et al, "Capacity Benefits of Operation Over C+L Band Elastic Optical Network in the Indian Network Scenario", IEEE ANTS 2019, in press

Positions of Responsibility

Web Admin, Research Showcase	2018
Event Head, Student Breakthrough, Research Showcase	2018
Event Head, Robowars, Esya	2018
Web Admin, Summer Camp @ IIIT-D	2019
Volunteer, Summer Camp @ IIIT-D	2019

Interests and Hobbies

- Working on and managing Linux based systems.
- Game Design.
- Web Development.
- Server/backend management.