Aniket Pradhan

+91 98975-00297
aniketpradhan1999@gmail.com
major
/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 2017 – Present
Bachelors in Electronics and Communications Engineering *New Delhi, India*

Father Agnel School 2015 – 2017
Senior Secondary School *New Delhi, India*

Work Experience

Adobe May 2020 – Present
Product Intern *New Delhi, India*

- Worked with the Digital Experience team @ Adobe.
- The project focused on creating a closed domain question and answering framework, using the state of the art methods of natural language processing.

RealVol May 2018 – July 2018
UI Designer Intern *New Delhi, India*

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

OutWorx Solutions Pvt. Ltd. June 2018 – July 2018
Android Developer Intern *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 - May 2020

- Studying the non-linear effects faced by the optical signal in a multi-hop path.
- Analyzing link margins in an optical network and studying the methods to reduce them in a backbone optical network.
- Comparing the benefits offered by a multi-fiber optical network and a multi-band optical network.

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

- T. Ahmed, S. Rahman, A. Pradhan et al, "C to C+L Bands Upgrade with Resource Re-provisioning in Optical Backbone Networks", Optical Fiber Communication Conference 2021, in press
- R K. Jana, A. Mitra, A. Pradhan et al, "When Multiband Elastic Optical Networks Becomes More Economical Than Multifiber Elastic Optical Networks?", European Conference on Optical Communication 2020, DOI: 10.1109/ECOC48923.2020.9333276
- 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, DOI: 10.1109/ANTS47819.2019.9117992

Posters

- 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

Positions of Responsibility

Byld Admin, IIIT Delhi	2020
Web Admin, Summer Camp @ IIIT-D	2019
Volunteer, Summer Camp @ IIIT-D	2019
Web Admin, Research Showcase	2018
Event Head, Student Breakthrough, Research Showcase	2018
Event Head, Robowars, Esya	2018

Technical Skills

- Working on and managing Linux based systems
- 3-D Design and Development
- Server/backend management

Interests and Hobbies

- Reading epic/high fantasy literature
- Video games 🎮
- Cooking and Eating 😋