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EXPERIENCE

Arista Networks, Bengaluru — *Software Engineering Intern*

June 2016 - July 2016

- Implemented Mirroring to CPU support for Trident switches.
- Worked with Linux DMA driver to manipulate Ethernet interfaces.

KDE, Delhi — *Google Summer of Code Participant*

May 2015 - August 2015

- Designed and implemented SSL backend for KDE Connect
- Worked on both Android and Desktop(Qt based) application

EDUCATION

Delhi Technological University, Delhi — *Bachelor of Tech.*

August 2013 - July 2017(Expected)

- Majoring in Computer Science with CGPA 8.5/10 (till now)

PROJECTS

MLX - Machine Learning library on top of HPX

- Supports Linear Regression, K-Means & Random Forests
- Handles horizontally partitioned data in CSV format distributed across multiple nodes as a single coherent unit to user

learnIt - PayTM powered Android application

- It motivates children to study by receiving PayTM money in wallet from parent's wallet on successful completion of a module
- Developed JAVA wrapper over their REST API for P2P money transfer model

Secure ABE based scheme for maintaining provenance of personal and clinical data

- Improved security for storing and transferring health data using Attribute Based Encryption scheme in NFC based healthcare system
- Implemented fast PIRATTE scheme for Android devices using NDK

HackeHire - An online technical interviewing platform

- Designed and implemented whole backend using Node.js
- Added support for WebRTC based video and text chat
- Implemented email based authentication, reset password support for accounts etc..

ParaTube - Multi-threaded YouTube Downloader

- Created Qt based cross platform YouTube downloader
- Added functionality to download file in multiple parts to utilize full bandwidth
- Implemented support for downloading whole playlist

SKILLS

- **Languages** : C++, Java, Python, SQL, Javascript, HTML/CSS
- **Frameworks** : Android, Qt
- **Version Control** : Git/Github
- **Editors & IDEs** : Android Studio, Vim , QtCreator

AWARDS

- **IndiaHacks Bot Challenge** : Achieved 5th position worldwide amongst 2700 participants
- **1 Lac Scholarship from MHRD** : Awarded scholarship of 1 lac by MHRD for scoring a rank amongst top 200 in Govt. Schools
- **CBSE Certificate of Merit** : Received certificate of merit for excellence in Physics and Economics for being in top 0.1%

LANGUAGES

- English
- Hindi