Tushar Singh

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EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY

B.Tech. in Computer Science
Spec. Information Security
May 2021 | Vellore, India
School of Computer Science
CGPA: 8.37 / 10.0

TAGORE INT. SCHOOL

High Schooling
Grad. May 2017| New Delhi, India
Overall : 85%

LINKS

GitHub:// **tushar1210**
LinkedIn:// **tushar1210**
Stack Overflow : **tushar**

COURSEWORK

UNDERGRADUATE

Data Structures
Operating Systems
Database Management Systems
Networks and Communication
Artificial Intelligence
Software Engineering
Internet and Web Programming
Computer Architecture
Parallel and Distributed Computing
Digital Logic
Network Security
Cryptography

SKILLS

PROGRAMMING

Over 5000 lines:
Java • Python • Swift • JavaScript
Over 1000 lines:
C • C++ • CSS • PHP • HTML
MySQL • Shell Script
Familiar:
Go • MongoDB • Docker • C#
Unity •PyTorch•Tensorflow

EXPERIENCE

HCL TECH. LTD. | Summer Trainee
May 2019 - July 2019 | Noida, India
- Worked with Cloud and Virtualization technologies like Open Stack, Nutanix Core, VMWare ESXi and VMWare Workstation
- Was Responsible for creating multiple Open Stack projects used for delivering client requirements.
- Worked with Neutron, an essential component in Open Stack to manage networking capabilities of a Virtual Machine Instance.
- Contributed towards completion of 5+ projects.

VICARA TECH. | Software Engineering Intern
Mar 2019 – Jan 2020 | Vellore, India
- Created the Kai updater app, an essential iOS application to update the key Vicara products. (Swift)
- Created the Kai Node.js library, used to develop applications for Kai store
- Worked on the development of Kai Store backend. (Node.js)
- Created the Kai-Photoshop module, which was used by the company in funding pitches. (Node.js)

PROJECTS

ELECTION EYE   link to the project
- Developed an iOS application to determine vulnerable constituencies during 2019 Lok Sabha elections, in collaboration with Vellore Police Department.
- Helped the Tamil Nadu State Police, in conducting successful elections.
- Worked on the iOS application front end (Swift).

PAPER VIT   link to the project
- Developed an iOS app that enables students to access previous year question papers.
- Application used by 1500+ students.
- Worked on the back end (Node.js + MongoDB) and the iOS Application (Swift)

TAP   link to the app
- Developed an iOS Application used for automating login to VIT WiFi using a single touch
- Used by almost every VIT student with an iPhone.
- Saved 10+ minutes every day of each active user, by eliminating 100+ touches.
- Worked on the iOS application. (Swift)

CO-CURRICULAR

APPLE DEVELOPERS GROUP | Projects Lead
Feb 2018 - May 2020 | VIT University, Vellore, India

ASSOCIATION OF COMPUTING MACHINERY | Lead iOS Dev
Aug 2018 - Dec 2019 | VIT University, Vellore, India