

# 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: 8.32 / 10.0

### TAGORE INT. SCHOOL

HIGH SCHOOLING  
 Grad. May 2017 | New Delhi, India  
 Overall : 85%

## LINKS

Facebook:// tushar1210  
 Github:// tushar1210  
 LinkedIn:// tushar1210  
 Stack Overflow : tushar  
 Quora:// Tushar-Singh-443

## 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

- 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 frontend (Swift).

### PAPER VIT

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

### TAP

- 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)

## ORGANISATIONS

### 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