

# Sai Hemanth Beeraka

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## EDUCATION

### NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY

**B.Tech** in Computer Science Engineering  
**Minor** in Management  
Started May 2016  
Expected May 2020  
Cum. GPA: 8.76

## LINKS

Portfolio:// [www.saihemanth.com](http://www.saihemanth.com)  
Github:// [shb9019](https://github.com/shb9019)  
LinkedIn:// [saihemanthb](https://in.linkedin.com/in/saihemanthb)  
Codeforces:// [saihemanth9019](https://codeforces.com/profile/saihemanth9019)

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Operating Systems  
Internetworking Protocols  
Compiler Design  
Computer Architecture  
Mobile App Development  
Machine Learning  
Natural Language Processing  
Database Management Systems  
Software Engineering

## SKILLS

### Proficient

C++ • JavaScript • PHP • SQL

### Intermediate

Python • Solidity • Java

### Web

React • Laravel • Spring • Node

### Tools

Git • WebStorm • Docker

Postman • Linux

## EXPERIENCE

### D. E. SHAW INDIA | SOFTWARE DEVELOPER INTERN

May 2019 – Jul 2019 | Hyderabad | [deshawindia.com](http://deshawindia.com)

- Worked on a full stack web application to manage the bookings of firm's multiple housing residences which was earlier done by a more rudimentary and error prone method.
- Used Java Spring Boot hosted on a Tomcat server for the backend and React-Redux for the frontend.

### GMETRI STUDIO | WEB DEVELOPER INTERN

Nov 2017 - Jan 2018 | Bangalore | [gmetri.com](http://gmetri.com)

- Improved and added functionalities to multiple VR products of clients built using ReactVR and ThreeJS.
- Worked on company dashboard API which helped collaborate the multiple teams using a Node backend.

## PROJECTS

### CODE CHARACTER | JAN - MAR 2018 & JAN - MAR 2019

[github.com/delta/codecharacter-web](https://github.com/delta/codecharacter-web)

An AI programming challenge where players, using a high level API provided write code to control troops and battle opponents in a real-time strategy game simulation.

- **10,000+ matches by 1,300+ players from over 70 countries.**
- Worked on the C++ simulator responsible for processing player code and simulating the game.
- Built the web app which enabled user registrations, code submissions, running simulations and communicated with the simulator using React-Typescript and Node.
- Handled the dockerization of the different components.

### FESTEMBER & PRAGYAN | AUG 2017 - PRESENT

[festember.com](http://festember.com) | [pragyan.org](http://pragyan.org)

- Part of the team which developed and actively maintains the Content Management System for the cultural and technical festivals of NIT Trichy.
- Built from scratch on PHP and Laravel, the CMS aides the administrative actions to cater for over 8,500 students attending the college festivals.

## AWARDS AND ACHEIVEMENTS

|      |                       |  |
|------|-----------------------|--|
| 2017 | Winner/60+ Teams      | Pragyan Hackathon '17                        |
| 2018 | Winner/70+ Teams      | ETHIndia - Asia's biggest Ethereum Hackathon |
| 2019 | Winner/50+ Teams      | Webbed - Speed Dev Event, Vortex NIT Trichy  |
| 2019 | Winner/40+ Teams      | IITM Shaastra BlockChain Hackathon           |
| 2019 | 5th/400+ Participants | Topcoder Humblefool Cup                      |