

# Sai Hemanth Beeraka

www.saihemanth.com  
saihemanth.nitt@gmail.com | +91 84287 47686

## 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://www.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.

## 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.

## ACHEIVEMENTS

2018 7th Rank

2018 14th Rank

2018 29th Rank

2019 5th Rank

2019 Candidate Master

2018 90th Rank/2885 Participants

2017 Winner/60+ Teams

2018 Winner/70+ Teams

2019 Winner/50+ Teams

2019 Winner/40+ Teams

ICPC Kharaghpur Online Contest

ICPC Amritapuri Online Contest

ICPC Kharghpur Regional Contest

Topcoder Humblefool Cup

Codeforces

Codeforces Round 472

Pragyan Hackathon '17

ETHIndia - Asia's biggest Ethereum Hackathon

Webbed - Speed Dev Event, Vortex NIT Trichy

IITM Shaastra Blockchain Hackathon