

# Sai Hemanth B

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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: 8.81

## 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)  
Spoj:// [saihemanth9019](https://www.spoj.com/users/saihemanth9019)

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures  
Operating Systems  
Data Communications and Networks  
Automata and Formal Languages  
Combinatorics and Graph Theory  
Principles of Programming Languages  
Computer Organization

## SKILLS

### Proficient

C++ • JavaScript • PHP • Solidity

### Intermediate

Python • SQL • TypeScript

### Web

React • Laravel • Truffle • NodeJS

### Tools

Git • WebStorm • Visual Studio Code  
Sublime Text • Chrome Dev Tools

## EXPERIENCE

### GMETRI STUDIO | WEB DEVELOPMENT INTERN

Nov - Dec 2017 | Bangalore | gmetri.com

- Improved and added functionalities on multiple VR products of clients built using ReactVR and ThreeJS.
- Worked on API of company dashboard using NodeJS.

### DELTA FORCE | SOFTWARE DEVELOPER

Jul 2017 – Present | NIT Trichy | delta.nitt.edu

- Member of the programming club of NIT Trichy, which handles most of the web and app work for various college activities and festivals.
- Conducted and organized "Basics of Algorithms and Data Structures" workshop to help juniors get started with Competitive Programming.

## PROJECTS

### CODE CHARACTER | JAN - FEB 2018

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

An AI programming challenge for the annual tech fest Pragyan, where players, using a high level API provided, control troops and occupy territories in a real-time strategy simulation.

- 10,000+ matches by 1,300+ players from over 70 countries.
- Built the web app which enabled user registrations, code submissions, running simulations and communicated with the C++ based simulator using React and NodeJS.

### DATA BRIDGE | DEC 2017

[github.com://shb9019/DataBridge](https://github.com/shb9019/DataBridge)

Developed a data sharing web application which incentivizes users to share data on the blockchain based on trust.

- Winning project of Pragyan Hackathon 2017.
- Wrote contracts for the Ethereum blockchain using Solidity to store all the transactions over the app.
- Linked IPFS to web app for seamless data storage over a global blockchain.

### FESTEMBER | AUG 2017

[festember.com](https://festember.com)

- Part of the team which developed the frontend which used a Content Management System developed by Delta Force (Github Link).
- Added features on the backend API for student registrations. The API, built on Laravel, also served an RFID card system used by more than 8500 students for identification and payments.

## AWARDS AND ACHIEVEMENTS

2017	Winner/60+ Teams	Pragyan Hackathon '17
2018	90 <sup>th</sup> /2800+	Codeforces Round #472
2018	Winner/50+ Teams	Triathlon - CS Quiz Contest, Vortex NIT Trichy
2018	Finalist/50+ Teams	Webbed - Speed Dev Event, Vortex NIT Trichy
2018	4 <sup>th</sup> /30+ Teams	Three's a Crowd - Team Coding Event, Pragyan