

Ahmed Shamsudeen

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EDUCATION

NIT TRICHY - B.TECH

MAJOR IN COMPUTER SCIENCE

MINOR IN ECONOMICS

Expected July 2022 | Trichy, India

Cum. GPA: 8.77

PS SENIOR

Grad. May 2018 | Chennai, India

Class XII Percentage: 94.6

Class X CGPA: 10/10

LINKS

Github:// [AhmedShamsudeen](#)

LinkedIn:// [AhmedShamsudeen](#)

Codeforces: [ahmed2807](#)

COURSEWORK

UNDERGRADUATE

Data Structures and Algorithm

Operating Systems

Theory of Automata

Data Comm. and Networks

INDEPENDENT

Neural Networks and Deep Learning

Hyperparameter tuning, Regularization and Optimization

SKILLS

PROGRAMMING

C++ • Python • Javascript

SOFTWARE DEVELOPMENT

ReactJS • React Native • Django •

NodeJS • HTML5 • CSS3 • Flask •

Laravel • PHP • Svelte • Flutter

TOOLS

Git • MySQL • Postman • Docker

OPERATING SYSTEMS

Linux • Windows

EXTRA CURRICULARS

ORGANIZER

Organised the 70+ events and managed other activities as a part of **NITTFEST**, the annual intra-cultural festival of NIT, Trichy.

TABLE TENNIS PLAYER

Part of NIT Trichy Table Tennis Team.

EXPERIENCE

TREAD FITNESS | SOFTWARE DEVELOPER | BANGALORE

Dec 2019 - Jan 2020 | Remote Intern

- Built a web application that allows to stream fitness videos along with live workout stats that are collected through the **web bluetooth** feature.
- Further customized the video player using **videoJS** and implemented other features.
- Website was developed using **ReactJS** and integrated with Google **Firebase services**

DELTA FORCE | SOFTWARE DEVELOPER | WEBSITE

Aug 2019 - Present | NIT Trichy

- **Developer** at Delta Force, the programming Club of NIT Trichy, which handles most of the **web and app development** for various activities and festivals.
- Organized and conducted **Algorithms and Data Structures** workshop for more than 300 freshers. Prepared workshop contents for the topic, and delivered class room sessions.

PROJECTS

NOSTALGIA | WEB LINK

April 2020 - May 2020

- Built **Svelte and NodeJS Express** application for end of the year event in NIT Trichy.
- Designed and implemented models and wrote views for the Login, Vote route in the backend and implemented authentication middleware using **JWT and secure http cookie** for routes that require a logged-in user.
- **Dockerized** the entire application and configured **webpack** to build production ready code.

BEER FACTORY | WEB LINK | RESOURCE MANAGEMENT GAME

Dec 2019 - Feb 2020

- An **online strategy-based**, single-player resource management game. Each player competes against a **computer simulated opponent**.
- Designed and implemented the game API in Django and the UI in **ReactJS, ThreeJS, Redux and SemanticUI**
- Built for Pragyan - A National level TechFest of NITT. Played by more than **700 students** each year.

EXECUTE.IT | INTERPRETER

May 2018 - Jun 2018

- Designed and implemented an interpreter for my own defined language from scratch in **C++**.
- Implemented features such as input output, variable declaration, arrays, conditionals and loops.

ACHIEVEMENTS

2019 **Top 5/150**

2019 **Onsite finals (25/400+)**

2017 **Top 10%**

Siemens MakeIT Real Hackathon, Bangalore.

SRM Hackathon, Chennai.

The Association of Mathematics Teachers of India (AMTI)