

EDUCATION

NIT TRICHY - B.TECH

MAJOR IN COMPUTER SCIENCE

MINOR IN ECONOMICS

Expected May 2021 | Trichy, India

Cum. GPA: 8.81

MODERN PUBLIC SCHOOL

MATHS AND SCIENCE STREAM

Graduated April 2017 | Delhi, India

CBSE: 91.2 %

LINKS

Github: [adityaa30](https://github.com/adityaa30)

LinkedIn: [adityaa30](https://www.linkedin.com/in/adityaa30)

Hackerrank: [adityaa30](https://www.hackerrank.com/adityaa30)

Codeforces: [adityaa30](https://codeforces.com/profile/adityaa30)

CodeChef: [adityaa30](https://www.codechef.com/users/adityaa30)

COURSEWORK

UNDERGRADUATE

Data Structures

Algorithms

Combinatorics & Graph Theory

Operating Systems

Internetworking Protocols

Database Management Systems

Discrete Mathematics

Machine Learning

Automata and Formal Languages

SKILLS

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

Python • C++ • Java • Kotlin •

JavaScript • TypeScript • Go

WEB DEVELOPMENT

HTML • CSS • React • Svelte •

NodeJS • Flask • Django

APP DEVELOPMENT

Android Studio • Android Jetpack

TOOLS

Linux • Git • TensorFlow •

Docker • MySQL

FAMILIAR

Machine Learning • Computer

Vision

SOFT SKILLS

Bilingual Communicator (English,
Hindi)

Public Speaker • Leader

EXPERIENCE

GOOGLE SUMMER OF CODE 2020 | STUDENT DEVELOPER

June 2020 - August 2020 | [Medium Blog](https://medium.com/@adityaa30) | [Scrapy](https://scrapy.org/) | [Python Software Foundation](https://pythonsoftwarefoundation.org/)

- Implemented HTTP/2 support to [Scrapy](https://scrapy.org/) adding an `H2DownloadHandler` that connects to HTTP/2 via ALPN or NPN where possible, and take advantage of the **compression and efficient gains**
- Built custom `H2ClientProtocol` using [Twisted](https://twistedmatrix.com/) capable of **multiplexing multiple requests in one connection**

AMAZON | SOFTWARE DEVELOPMENT ENGINEER INTERN

May 2020 - June 2020 | Alexa Communications Team | Chennai

- Designed an algorithm to **classify a string into a valid or invalid phone book name**
- Integrated in **Amazon Spoken Name Entity Resolution Service** to **decrease overall latency** by ignoring the lookup in ES Index when input is not a valid contact name
- Currently in testing phase**, with scope for expansion

DELTA FORCE | WEB LINK | SOFTWARE DEVELOPER

July 2018 - Present | NIT Trichy | delta.nitt.edu

- The coding club of my college, which handles most of the **software development** for various web related activities of festivals such as [Festember](#), [Pragyan](#) and [NittFest](#)
- Responsible for **developing & maintaining the institute's official website**
- Conducted an introductory **workshop on algorithms** for more than 100 freshers

TECHNICAL PROJECTS

NOSTALGIA | WEB LINK | EXPRESS | SVELTE | MYSQL

April 2020 - May 2020 | NIT Trichy

- Built **Svelte** and **NodeJS Express** application for end of the year event for 4th years in NIT Trichy
- Wrote **responsive** UI components for **Login**, **Vote**, **Nominate** and **Result** views
- 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 | DJANGO | TENSORFLOW

December 2019 - February 2020 | NIT Trichy

- An **online strategy-based**, single-player **resource management** game. Each player competes against **computer simulated opponent**
- Implemented custom **FactoryEnvironment** to simulate gameplay
- Implemented **Asynchronous Advantage Actor Critic** algorithm and trained the agent using **TensorFlow**
- Built database models, game and leaderboard logic views

CHECK-COMMIT | Github Link | TYPESCRIPT | JEST

Open Source

- [Github Action](#) to check if the commit message follows proper syntax
- Added unit tests using **jest** with **94% line coverage** and **89% branch coverage**

ACHIEVEMENTS

- Secured global **36th** rank out of 12900+ participants in [Codechef January Long Challenge, 2020](#)
- Secured global **178th** rank out of 15000+ participants in [Codeforces Round #661](#)
- Qualified** and secured global **1,261st** rank out of 1,700+ participants in [Facebook Hackercup Round 2, 2020](#)