

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](#)

Hackerrank: [adityaa30](#)

Codeforces: [adityaa30](#)

CodeChef: [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](#) | [Scrapy](#) | [Python Software Foundation](#)

- Implemented HTTP/2 support to [Scrapy](#) 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](#) 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](#)