

# Tammana Chhaya Sree Kiran

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## EDUCATION

### Indian Institute of Technology Kharagpur

*Integrated M.Sc in Mathematics and Computing*

**2019 - 2024**

*8.43 / 10*

### Narayana Junior College,

*Telangana Intermediate State Board*

**2017 - 2019**

*960 / 1000*

## WORK EXPERIENCE

### Amazon | Software Development Engineer Intern

**May 2023 - Jun 2023**

- Initiated a project, **Self-service Backend for Throttling**, aiming for autonomous payment processing enhancements
- Implemented detailed validation using **JSON** and **Lambda**, greatly strengthening data consistency and security
- Leveraged **Mockito** for **Java unit testing**, and achieved a standout **95% code coverage** for all developed solutions
- Utilized **AWS AppConfig** for data operations, enhancing the retrieval, updation, and validation process in AWS

### Major Key Technologies Pvt Ltd | Software Engineering - Backend Intern

**Nov 2022 - Dec 2022**

- Commenced the internship with Node.js, developing various API endpoints to improve app features
- Swiftly adapted to Python-Django, broadening the scope of API development and ensuring smooth integration

## PROJECTS

### Virtual stock trading website

**Oct 2022 - Nov 2022**

- Developed a virtual trading platform using the MERN stack, enabling users to simulate real-time stock trading
- Simulated an environment with 10 users, each with funds and stocks, enabling mock limit/market trades
- Implemented real-time stock price visualization with WebSockets, offering users an immediate market view

### Web Extension: URL-Linked Note Organizer

**Jul 2023 - Aug 2023**

- Developed a web extension for users to attach notes to URLs, enhancing web browsing productivity
- Shipped with features allowing users to easily save, edit, and delete notes specific to visited URLs
- Implemented import/export, offering flexibility to share notes across devices or with peers

### 1-1 Chat app

**Jun 2022 - Jul 2022**

- To tackle spam users, integrated email verification feature using a signed JWT token with a set expiry time
- Utilized ReactJS for UI, MongoDB for backend, Express for REST APIs and Redux for state management
- To fix bugs early in the development phase, unit tests have been written using mocha and chai frameworks
- Dockerized the entire project for efficient setup and consistent deployment

### House Renting/Selling Website

**Mar 2022 - Apr 2022**

- Developed a full-stack web app to buy, sell, or rent houses, using ReactJS for UI and Firebase for the backend
- Integrated features like Google OAuth and token-based authentications, filtering results, etc
- Additionally integrated features like forgotten passwords, interactive maps, uploaded house listings, etc

## TECHNICAL SKILLS

**Languages:** Proficient in C | C++, Familiar in Python | MATLAB | haskell | Java

**Frameworks:** NodeJS | Redux | Mocha | Chai | Express | Mockito

**Developer Tools:** C++ STL | ReactJS | Git | Postman

**AWS Services:** Lambda | CloudWatch | AppConfig | API Gateway

## AWARDS AND ACHIEVEMENTS

- Contributed to open-source projects like Netbird, JSON-schema, etc. and got my PRs merged
- Attained Global Rank 1053 among 10000+ participants in Google's annual programming contest Kickstart
- Reached Peak Rating 1813(top 4%) on Codechef with Global Rank 19 among 1200+ participants as best rank
- Secured Peak Rating 1687(top 7.5%) on Codeforces with Global Rank 224 among 15000+ participants as best
- Penned blogs on Internship Impacts, Data Security, and Interview Errors for beginners
- Competed in a hackathon hosted by Density, a Crypto Futures Trading Exchange, and secured a cash prize
- Earned a spot in the ISI B.Stat course after two exams & an interview, ranking 13 nationwide
- Secured a Silver medal as a key team member in the Open IIT Mathematics Olympiad in the year 2019