

Tammanna Chhaya Sree Kiran

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EDUCATION

Indian Institute of Technology Kharagpur

2019 - 2024

Integrated M.Sc in Mathematics and Computing

8.36 / 10

Narayana Junior College,

2017 - 2019

Telangana Intermediate State Board

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