

Chandu Bomma

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SKILLS

Languages: C, Java, Python, JavaScript, TypeScript, HTML/CSS, SQL

Frameworks: React.js, Next.js, Node.js, Express.js, Tailwind CSS

Tools: Git/GitHub, Unix Shell, Docker, AWS, GCP, MongoDB, MySQL, PostgreSQL, Redis, Prisma, Redux

Course Work: Full Stack Development, DBMS, OS, Computer Networks, Advanced Backend Communications

WORK EXPERIENCE

VigaET

September 2024 – Present

Backend Development Intern

- Migrated the web app **ScriptViz** from Firebase to **Prisma** and **PostgreSQL**, designing schemas and improving query efficiency by **25%**.
- Developed a **Cloud Function** to parse and break down script files for efficient storage and processing, increasing processing efficiency by **30%**.
- Assisted in optimizing backend performance by **20%** and implemented new functionalities such as **tagging** and **script versioning algorithm** to enhance file management.
- Utilized **Google Cloud Platform (GCP)** services, including **Cloud Storage**, improving file access time by **15%**.
- Implementing features such as **folder management** and **notifications**, improving user productivity by **35%**.

Exam Trakker

January 2024 – February 2024

Backend Development Intern

- Contributed to the development and enhancement of backend systems using **Node.js**, **Express.js**, **MongoDB**, and **MySQL**, improving API response times by **20%**.
- Created **RESTful APIs** to support platform functionalities and optimized database queries.
- Fixed **8+** critical bugs, improving platform stability by **40%**.
- Participated in **5+** code reviews, providing feedback that improved overall code quality.

PROJECTS

StudentHub (Demo) | [Github](#)

React, Tailwind CSS, Node.js, Express.js, TypeScript, Prisma, Socket.io, WebRTC, JWT

June 2024 – July 2024

- Developed a full stack web application to connect junior students with senior guides for one-to-one video meetings.
- Implemented real-time video meetings using **WebRTC** and **Socket.io**, ensuring smooth and reliable communication.
- Built robust backend services with **Node.js**, **Express.js**, **Prisma**, and **TypeScript**, ensuring scalable and maintainable code.
- Integrated OTP email verification using **NodeMailer** for enhanced security.
- Integrated **JWT**-based authentication for secure user sessions and access control.

Hungrezy (Demo) | [Github-client](#) | [Github-api](#)

React, Tailwind CSS, Node.js, Express.js, MongoDB, Redis, Socket.io, Redux

September 2023 – April 2024

- Led a team to develop an intuitive user interface using **React** and **Tailwind CSS**, enhancing user experience for a food ordering platform.
- Architected and integrated comprehensive backend services with **Node.js** and **Express.js**, and developed robust admin and restaurant dashboards using **MongoDB** for data management.
- Built **RESTful APIs** for key functionalities, including order management, user authentication, restaurant reviews, and data retrieval.
- Implemented real-time features like admin announcements using **Socket.io**.
- Used **MongoDB aggregations** for generating comprehensive statistics for admin and restaurant dashboards.
- Utilized **Redis** for caching restaurant search results based on location, improving performance.

EDUCATION

Indian Institute of Information Technology Sricity

2021 – Present

B.Tech in Computer Science and Engineering

Current CGPA: 8.17

Sri Chaitanya Junior Kalasala, Hyderabad

June 2018 – March 2020

Intermediate Education

Class 12 - 98.6%

JSM High School, Warangal

March 2018

Secondary Education

Class 10 - 9.7