

AVINASH REDDY RAKKIREDDY

 [LinkedIn](#)  [Email](#)  [GitHub](#)  [CodeForces](#)  [CodeChef](#)

 Warangal, Telangana  +91-8125459690

EDUCATION

Indian Institute of Technology, Kharagpur

Mining Engineering/Artificial Intelligence Machine Learning and Applications

November 2021 - Present

8.80 CGPA

TECHNICAL SKILLS

Languages	C++ , TypeScript, JavaScript , Python , SQL , HTML , CSS , C
Libraries & Frameworks	Node.js, Express, React.js, Bootstrap, Material UI, Mongoose, Numpy, ExcelJS
Tools	Docker, Git, Sentry, mitmproxy, node-cron, Google Colab, Jupyter Notebook
Concepts	DSA, REST APIs, Authentication, Web Scraping, System Design (Basic)
Competitive Programming	700+ problems solved, Codeforces Specialist (1553), CodeChef 4-Star (1834)

EXPERIENCE

Software Developer Intern | Qwipo Inc | Hyderabad

Aug 2024 - Apr 2025

Project: Notification Message Builder

- Engineered a **RESTful API** using Node.js (TypeScript) and **Express** to generate multi-channel event messages.
- Integrated OpenAI to create dynamic content tailored for Email, WhatsApp, SMS, Push, and Webhook channels.
- Structured prompt templates and implemented token injection for personalized message formatting across channels.

Project: Automated Competitive Pricing System

- Leveraged mitmproxy to intercept competitor APIs and extract accurate real-time pricing data for matching SKUs.
- Built scalable backend services using **Node.js** and integrated with **CockroachDB** for resilient data management.
- Scheduled automated pricing updates via **cron jobs** to intelligently adjust product prices twice daily from insights.

Software Trainee Intern | Xavica Software Solutions | Hyderabad [↗](#)

May 2024 - Jul 2024

- Refactored backend architecture by migrating from **Sequelize** to **Knex**, improving query control and code clarity.
- Rewrote Excel export logic using **ExcelJS streaming** to handle millions of rows which reduced memory usage.
- Developed a vendor pricing insight module showing top five competitor prices to enable strategic price adjustments.

PROJECTS

BrewHub [Repo-Link](#) [↗](#)

Mar 2024 - May 2024

Objective: Developed a web app to streamline online food ordering, boosting efficiency and satisfaction for users

- Crafted a responsive web interface using Bootstrap, built **RESTful APIs** with **Express** and Node.js for efficient **CRUD** operations, integrating MongoDB for reliable data storage and showcasing expertise in **NoSQL DB**
- Leveraged **Passport.js** for secure user authentication and implemented access control based on their roles
- Enhanced operational efficiency for owners, improved customer satisfaction by streamlining the ordering process

Hotel Booking Website [Repo-Link](#) [↗](#)

Jan 2024 - Feb 2024

Objective: Created a comprehensive online hotel booking platform to streamline and improve the reservation process.

- Created a responsive UI with **React** and **Material UI**, utilizing hooks and context API for dynamic interactions.
- Built a **Node.js** backend with asynchronous programming, integrating Mapbox for **interactive maps**, **geocoding**.
- Created **Express.js RESTful APIs** to link a React frontend and MongoDB, optimizing data handling.

Instant Dictionary Chrome Extension [Repo-Link](#) [↗](#)

Nov 2023 - Dec 2023

Objective: Developed a Chrome extension to enhance reading by instantly showing word definitions in a pop-up.

- Utilized **JavaScript**, **HTML**, and **CSS** to build a responsive UI triggered on word selection.
- Integrated an internal API with the **Oxford Dictionary API** to fetch and display word meanings efficiently.

ACHIEVEMENTS

- Specialist (Rating: 1553)** on Codeforces; **4-Star Coder (Rating: 1834)** on CodeChef (Top 2.18% globally)
- Solved **700+** **DSA questions** across LeetCode, Codeforces, and CodeChef