Yashwanth Raju S

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Introduction

I'm a Computer Science undergraduate at Amrita Vishwa Vidyapeetham (Class of 2027) with a strong interest in full-stack web development. I specialize in the MERN stack and enjoy building scalable, user-friendly web applications. I am comfortable managing the entire development cycle from designing UI components to implementing backend logic, and I actively explore new technologies to enhance my skills.

Education

Amrita Vishwa Vidyapeetham   B.Tech in Computer Science

- Year: 2023 – 2027 (8.23) 4 semesters
- Key Coursework: Data Structures, Object-Oriented Programming, Computer Networks, DBMS, Operating Systems

Technical Skills

Languages	Java, JavaScript (ES6+), HTML5, CSS3
Frameworks & Libraries	React.js, Node.js, Express.js, Tailwind CSS
Databases & Tools	MongoDB, Git, Postman, VS Code
Concepts	DSA, OOP, DBMS, OS, CN, Responsive Design, REST APIs

Projects

TeamPulse – Real-time Task and Team Status Tracker   GitHub Repo
- Developed a collaborative task management application using the MERN stack with **role-based access control**.
- Designed responsive and interactive UI components using React.js and Tailwind CSS for a smooth user experience.
- Built RESTful APIs for efficient CRUD operations and seamless client-server communication.
- Implemented robust backend models in MongoDB to handle complex queries and maintain data integrity.
- Enhanced app performance by optimizing state management and minimizing unnecessary re-renders.
- **Tech Stack:** React.js, Node.js, Express.js, MongoDB, REST APIs, Git

Zerodha Clone – Stock Trading Interface Simulation   GitHub Repo
- Developed a web interface simulating a stock trading platform using React.js, ensuring responsive and intuitive design.
- Integrated **Chart.js** to display dynamic visualizations of stock price trends and portfolio analytics.
- Built secure authentication using JWT tokens with protected routes for user safety.
- Created RESTful APIs to handle mock transactions and portfolio updates efficiently.
- Implemented order history tracking and basic portfolio analytics to enhance user insights.
- **Tech Stack:** React.js, Node.js, JWT, REST APIs, Chart.js, Git

Gemini AI – Conversational AI Chat Application   GitHub Repo
- Developed a conversational AI chatbot using the **Gemini API** with context-aware conversation capabilities.
- Designed a minimalistic, user-friendly UI with React.js for clear and intuitive interactions.
- Managed frontend state efficiently using React hooks to maintain consistent chat behavior.
- Deployed the application on Netlify with optimized builds for fast load times and reliability.
- **Tech Stack:** React.js, Gemini API, Netlify, UI/UX Design

Achievements & Certifications

- Solved over **400+ problems on LeetCode**. Profile
- Ranked **3,000 out of 32,000 participants** in a global LeetCode contest.
- Secured **3rd place** in a college-level coding competition.
- Participated in **Amazon Machine Learning Challenge**.
- Completed the **Python Programming Certification** from Udemy.
- Completed the **Introduction to Networking Certification** from Cisco. Certificate

Soft Skills

Problem-solving, Teamwork, Effective Communication, Adaptability, and Leadership.