Vigna Ramtej Telagarapu

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Education

Sagi Ramakrishnam Raju Engineering College, Bhimavaram CGPA - 8.56 / 10.00
B.Tech in Artificial Intelligence and Data Science *2022 – Present*
Relevant Coursework: AI/ML, Data Science for Engineers, Computer Networks

Experience

Full Stack Development Intern — Labfox.Studio Mar 2025 – Present
- Modernized legacy UI/UX with Next.js and Tailwind CSS, implementing responsive design principles and reducing page load times by 40%, resulting in a 25% increase in user engagement.
- Engineered efficient API integrations, levaraging supabase for real-time data validation and AI-driven insights.

Projects

Code Quest Repository link
- Developed a **POTD platform** for solving coding challenges, tracking streaks, and competing on a live leaderboard. Integrated **real-time data fetching** from coding platforms to update user progress dynamically.
- Designed an instant search functionality using **Typesense** for fast and accurate problem discovery and user profiles.

Code Battle Ground Repository link
- A **competitive coding platform** was created utilizing Next.js for server-side rendering and user interactions. A strong backend using PostgreSQL (hosted on NeonDB) Containerized the application with Docker to provide uniform deployment and environments.
- Enabled **real-time code execution** and leaderboard updates to enhance user engagement.

Vedic Baby Names - CRM Repository link
- Led the development of a **CRM platform** that produced customized baby name suggestions, deftly handling more than 200 client requests from the first inquiry to the last follow-up conversations.
- Controlled the whole development process, including front-end and back-end management, ensuring user identity was secure, and connecting WhatsApp via email to offer name options in PDF format.

AMILE amile.vercel.app
- Collaborated with a diverse group of experts to identify and address three major pain points in the job preparation landscape, utilizing AI and machine learning models for groundbreaking solutions aimed at transforming candidate experiences.
- Secure permission and authentication were added to the web interface, and the web platform was seamlessly integrated with ML models and APIs to create an interactive interview simulation experience.

AgriConnect AI Repository link
- Initiated a real-time interface to transform agriculture by solving farmers' biggest challenges using AI.
- The project improves productivity, crop and fertilizer recommendations, agricultural disease prediction, and market price prediction using machine learning algorithms.

Customer Feedback Analysis Dashboard Project Link
- Created a dashboard to assess client course feedback. This dashboard lets us to examine trends and client sentiment regarding the offered courses.
- Finally, machine learning algorithms categorized those feedbacks' attitudes.

Positions of Responsibility

Technical Lead at SRKR Coding Club Mar 2025
- Lead the technical team by teaching a variety of courses. Handled a variety of tasks aimed at improving our club.
- As a technical lead, I fostered a positive productive environment in the club by educating representatives on various technologies and motivating them to be productive.

MERN Event Coordinator Aug 2024
- Contributed as a member of the technical team in the Vedic Vision MERN Bootcamp and 24-Hour Hackathon 2k24. Helped 250+ participants and promoted solutions to address problems in Sports and Health.
- Provided realistic technical help, ensured a seamless event, satisfied guests with information, and fostered effective cooperation.

Technical Skills

Programming Languages: Java, C++, Python, JavaScript, TypeScript
Technologies/Frameworks: React.js, Node.js, Express.js, Flask, Django, Next.js, Docker
Databases: PostgreSQL, Oracle SQL, MongoDB, MySQL
Other Skills: Data Structures and Algorithms, Machine learning, Deep learning

Achievements

- **Hackoverflow 2k24 Winner** - Secured third place in a national-level hackathon with 50+ teams, illustrating our creativity and teamwork in problem-solving.
- **SIH Internal Hackathon Winner** - Awarded as the Junior best team at the Smart India Internal Hackathon 2023, which had over 250 participants.
- **LeetCode Problem Solving** - Solved more than 350 problems across all the coding platforms, demonstrating strong problem-solving skills and proficiency in algorithms and data structures.

Certifications

- **NPTEL Course: Programming in Java** - Scored 70%.
- **NPTEL Course: Data Science for Engineers** - Scored 84%.
- **NPTEL Course: Programming in Modern C++** - Scored 56%.
- **NPTEL Course: Problem Solving through Programming in C** - Scored 73%.