Mounika Patharlapalli

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SUMMARY

Aspiring Full-Stack Developer with hands-on experience in building scalable web applications using the MERN stack,MEAN stack,Django, and REST APIs. Proficient in both frontend and backend technologies with a passion for solving real-world problems through clean, user-focused design. Strong foundation in databases, deployment, and cloud services. Seeking opportunities to contribute to impactful development teams.

EDUCATION

- **Sagi Ramakrishnam Raju Engineering College**   Bhimavaram, India
  Bachelor of Technology - Artificial Intelligence and Machine Learning; GPA: 8.91   *2022 - 2026*

SKILLS SUMMARY

- **Frontend**: HTML5, CSS3, JavaScript, React.js, Angular
- **Backend**: Node.js, Express.js, Django, Flask
- **Databases**: MongoDB, MySQL, SQLite, PostgreSQL
- **Tools & Platforms**: Git, VS Code, Postman, AWS, Render, Vercel
- **Languages**: JavaScript, Python, SQL, Java, C, C++
- **Soft Skills**: Collaboration, Agile, Problem Solving, Communication

PROJECTS

- **Pranakshetra – Yoga LMS Platform (MEAN Stack)**: Designed and developed a complete Learning Management System using the **MEAN stack** (MongoDB, Express.js, Angular, Node.js) aimed at promoting yoga education. Created an intuitive and responsive UI using **Angular Material** and custom CSS. Implemented role-based dashboards for **Admins, Instructors, and Students**—supporting course management, user enrollment, content delivery, and progress analytics. Integrated features such as **secure video playback**, quiz modules, and tracking of course completion.

- **Amrut Aahar – Full-Stack E-commerce Platform**: Built a dynamic full-stack e-commerce web application using **Django**. Enabled complete product lifecycle management with features including **shopping cart**, **order placement**, and **Razorpay payment gateway** integration. Implemented user authentication, product search, and category filtering. Designed a responsive frontend with Django templates and ensured smooth user navigation across catalog, checkout, and order history. Added admin dashboard for managing orders, inventory, and revenue tracking.

- **EcoMine – Smart India Hackathon 2024 (MERN Stack)**: Led a 6-member team in developing **EcoMine**, a web platform focused on environmental sustainability in coal mining, built with the **MERN stack** (MongoDB, Express.js, React.js, Node.js). Integrated **TensorFlow** models for predicting CO emissions based on operational parameters, achieving a 20% improvement in accuracy. Designed role-based dashboards for mine operators and government officials, offering real-time analytics, emission-vs-sink gap analysis, and carbon neutrality suggestions. Project was recognized among **Top Performing Teams** at SIH 2024.

EXPERIENCE

- **Blackbucks – Internship**   Remote / India
  Java Full Stack Developer Intern   *June 2025 – Present*
  - **Full Stack Development**: Contributing to enterprise-level web applications using **Spring Boot (Java)** for backend and **Angular** for frontend. Focused on building RESTful APIs, interactive UI components, and ensuring seamless integration.
  - **Database and Collaboration**: Working with **MySQL** and **MongoDB** for data management. Collaborating in Agile workflows using **Git**, performing code reviews, and participating in daily stand-ups to align with team goals.

- **Elsoftron – Internship**   Bhimavaram, India
  Machine Learning Intern   *Nov 2024 - Present*
  Data Analysis Using Open-Source API Developed a data analysis pipeline by consuming data from an **open-source API**. Processed and cleaned the data using **Python (Pandas, NumPy)**, performed exploratory data analysis (EDA), and generated insightful visualizations using **Matplotlib/Seaborn**. Presented findings to the internal team to aid in decision-making.

ACHIEVEMENTS

- **Prajwalan Hackathon – Eva Cure**: Developed **Eva Cure**, a full-stack women's health platform. Won **Best Implementation Prize**, securing a **top-4 finish** among 80+ teams.
- **CRUX 2025 – Hardware Project Expo (Runner-Up)**: Secured **Runner-Up** position at CRUX 2025, organized by **SRKR IETE Student Forum [ISFC-65]** under the Department of ECE, SRKR Engineering College. Recognized for technical excellence and innovative hardware solution.

CERTIFICATIONS

- **JavaScript Essentials – Cisco Networking Academy**: Completed course covering JavaScript syntax, functions, and DOM manipulation.
- **Programming in Python – NPTEL**: Earned **Silver Medal**; covered Python basics, OOP, and standard libraries.

EXTRACURRICULAR ACTIVITIES

- **Executive Body Member - Language Nest Club**: Organized cultural events promoting linguistic diversity.

- **NSS-Volunteer** : Contributed to social initiatives, including community and educational outreach.