Kalyan Mudavath

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Objective

Passionate Full-Stack Developer exploring Generative AI and its applications in web development. Skilled in MERN stack, with a focus on AI-powered solutions to enhance user experience and efficiency.

Experience

CodtechIT Solutions　　May 2024 – June 2024
Web Development Intern　　*Remote Internship*
- Completed a virtual internship focused on web development, applying the MERN stack to build scalable applications.
- Developed responsive and user-friendly web applications using React.js and Tailwind CSS to enhance performance.
- Gained hands-on experience with Node.js, MongoDB, and Express.js, implementing APIs and managing databases.

Projects

ProPathAI | *React.js, Next.js, Tailwind, Prisma, Inngest, Gemini API, Shadcn*　　GitHub Link | View Demo
- An AI-powered career coaching platform providing resume evaluation, mock interviews, and chat bot using Gen AI.
- Integrated Gemini API for AI-driven responses and Inngest for background task automation, improving user engagem
- Designed a responsive UI with Tailwind CSS and Shadcn UI, ensuring a seamless and accessible user experience.

AgriVision | *MERN Stack, Map Integration, Weather API*　　GitHub Link
- A smart agriculture platform connecting farmers, sellers, and consumers with real-time inventory and weather tracking.
- Integrated an interactive map feature using Street Map API with latitude and longitude for tracking suppliers.
- Implemented a weather monitoring system to provide real-time climate insights for informed decision-making.

Chat Application | *MERN Stack*　　GitHub Link | View Demo
- A real-time messaging app with secure authentication, role-based access control, and seamless multimedia sharing.
- Integrated Socket.io for real-time bidirectional messaging, ensuring ultra-low latency and scalable communication.
- Implemented JWT-based authentication and Cloudinary integration for secure user logins and efficient profile image storage.

Technical Skills

Languages: Java, Python, JavaScript, C
Databases: MySQL, MongoDB, Prisma
Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS
Developer Tools: VS Code, Postman, Git, GitHub, Socket.io, Zustand
Technologies: HTML, CSS, Inngest

Education

Bachelor of Technology in Computer Science and Engineering　　Expected 2026
RGUKT Basar, Telangana, India　　*Current CGPA: 8.86/10.0*
Pre-University Course with Python Specialization　　2020 – 2022
RGUKT Basar, Telangana, India　　*CGPA: 8.53/10.0*

Achievements

- Solved over 300+ DSA problems on LeetCode and GeeksforGeeks, strengthening algorithmic thinking.
- Mentored 100+ junior developers and peers in data structures and algorithms, improving problem-solving skills.

Certifications

NLP with Python for Machine Learning - Essential Training　　2025
LinkedIn Learning　　*View Certificate*
Introduction to Prompt Engineering for Generative AI　　2023
LinkedIn Learning　　*View Certificate*
Web Development Certification　　2024
Codtech IT Solutions　　*View Certificate*

Research and Learning

Exploring Generative AI　　Current Focus
Self-Learning & Project Development
- Studying Generative AI concepts, including LLMs, fine-tuning, and model optimization techniques.
- Building hands-on projects using LangChain, Hugging Face, and Gemini API for real-world AI applications.
- Experimenting with open-source LLMs like Llama 2, Mistral, and Falcon for domain-specific fine-tuning.