

Komal Suresh Jadhav

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Personal Summary

Innovative and results-driven professional with expertise in developing scalable web applications using the MERN stack, complemented by the integration of machine learning models. Skilled in HTML, CSS, JavaScript, Python (Flask), and MySQL, delivering efficient and high-performance solutions. Adept at optimizing application performance and enhancing user experience through innovative coding practices and problem-solving strategies.

Skills

- ◇ **Programming Languages:** C, C++, Java, Python, PHP
- ◇ **Web Development:** HTML, CSS, Tailwind CSS, JavaScript, React.js, Next.js, Node.js, Express.js, MySQL, MongoDB
- ◇ **Version Control:** Git, GitHub
- ◇ **Core Subjects:** Data Structures and Algorithms, Operating Systems, Computer Networks, Object-Oriented Programming

Experience

Full Stack Developer Intern, UST Global, Bangalore, India

08/2024 - 11/2024

- ◇ Built a full-stack application to automate the evaluation of descriptive answers and C code using ML models for semantic analysis and error detection.
- ◇ Developed the frontend with HTML, CSS, and JavaScript and implemented the backend using Python and Flask. Improved grading accuracy and efficiency, cutting manual grading time by 40%.

Education

Bachelor of Technology, Computer Science And Engineering (AI) – Pursuing

Vishwakarma Institute of Information Technology, Pune, India

Current CGPA: 9.00

Diploma, Computer Engineering

Government Polytechnic, Dhule

Percentage: 89.85%

Projects

AI-Powered Descriptive and C Code Evaluation System - [Link](#)

- ◇ **Objective:** Developed an automated evaluation system to assess descriptive answers and C code submissions, focusing on semantic similarity, grammar, keyword matching, and error detection.
- ◇ **Tech Stack:** HTML, CSS, Python, Flask

AI Interviewer Mock Platform - [Link](#)

- ◇ **Objective:** Built a mock interview platform to simulate real-life interview scenarios, providing personalized feedback and analytics to enhance user performance.
- ◇ **Tech Stack:** HTML, Tailwind CSS, Next.js, SQL, ORM Drizzle

AI-Powered Cover Letter and Resume Generator - [Link](#)

- ◇ **Objective:** Developed an AI-driven system that generates tailored cover letters and resumes based on job descriptions and user input, integrating Cohere AI models to enhance content personalization.
- ◇ **Tech Stack:** Python, Streamlit, Cohere Integration, PDF Generation Libraries in Python

Research Paper

Plant Disease Detection – Presented at the International Conference on Data Science and Communication (ICDSC) 2024.

Mental Health Chatbot - [Link](#) – Published at the International Journal of Research Education and Scientific Methods (IJARESM) in 2024.

Certifications

IBM Full Stack Software Developer - [Link](#)

Full Stack JavaScript Developer - [Link](#)