

Tejashree Suvarna

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Summary

Final-year Computer Engineering student with a strong foundation in software development and artificial intelligence. Skilled in developing full-stack web and IoT-based applications using React, Node.js, Python, and Arduino. Experienced in integrating machine learning models and real-time APIs to create scalable, user-focused solutions. Passionate about building impactful, AI-driven, and data-centric technologies.

Education

Bachelor of Engineering in Computer Engineering 2022 – Present
MCT's Rajiv Gandhi Institute of Technology, Mumbai University
Core Courses: Data Structures and Algorithms, Database Management Systems, Artificial Intelligence, Machine Learning, Cloud Computing, Advanced DBMS

Technical Skills

Languages: C, C++, JavaScript, HTML, CSS, Python
Web Dev: Full Stack Development (Frontend + Backend), REST APIs
AI/ML: OpenAI API, Gemini API, Vertex AI, scikit-learn, Pandas, NumPy
Tools/Frameworks: React, Node.js, SQLite, Git, VS Code
IoT: Arduino, Sensors, Relays, Actuators

Projects

Healthcare AI Chatbot Jul 2024 – Apr 2025
AI-based medical assistant for handling symptoms and patient queries.
• Integrated OpenAI API for dynamic, context-aware responses.
• Built frontend using HTML, CSS, JS; backend with Node.js and SQLite.

WeatherNow Dashboard Aug 2025 – Oct 2025
Developed during Edunet Foundation – IBM SkillsBuild Internship.
• Built an interactive weather forecast dashboard using real-time weather APIs.
• Designed responsive UI with JavaScript, HTML, CSS, and REST APIs.

Smart Irrigation System Jul 2023 – Apr 2024
IoT-based automated irrigation system for precision agriculture.
• Controlled water pump using Arduino Mega and soil moisture sensors.
• Reduced manual effort and optimized water usage.

Certifications

Google Cloud Engineering Certificate — Google Apr 2025
Completed Google Cloud Career Launchpad; learned Terraform, Kubernetes, and cloud infra deployment.

CS50's Introduction to Artificial Intelligence with Python — Harvard University Feb 2025
Built AI models using search algorithms, ML, and reinforcement learning principles.

IBM Web Development Fundamentals — IBM Sep 2025
Learned responsive design, backend integration, and full-stack web development workflow.

J.P. Morgan Software Engineering Job Simulation — Forage Jul 2025
Simulated real-world tasks using REST APIs, algorithms, and Kafka-based systems.