

MAYUR KOLI

Software Developer | Full-Stack & Backend Engineering

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PROFESSIONAL SUMMARY

Computer Engineering graduate (SPPU, 2026, CGPA 8.5/10) with hands-on experience designing, building, and shipping full-stack and backend software in Agile teams. Have taken features from requirements through component-level design, coding, unit testing, and production deployment — including debugging live issues reported by real clients and shipping fixes under time pressure. Comfortable across the stack: Python/FastAPI and Node.js on the backend, Next.js/React on the front end, with deployment experience on Firebase, Render, GCP, and AWS. Quick to pick up new tools and codebases with minimal ramp-up.

TECHNICAL SKILLS

Backend Development: Python, FastAPI, Node.js, REST API Design, JSON, Component-Level Design, Unit Testing

Frontend Development: Next.js, React, JavaScript, Tailwind CSS

Languages: Python, Java, JavaScript, C++

Cloud & DevOps: Firebase, GCP, AWS, Render, Git/GitHub, Linux, CI/CD-Style Deployment Pipelines

Practices: Agile/Scrum, Debugging & Troubleshooting, Requirement Analysis, Stakeholder Collaboration

AI & Data (additional): LangChain, FAISS, Prompt Engineering, MySQL, Streamlit

PROFESSIONAL EXPERIENCE

Software Developer — SparkOS

Feb 2026 – Present

- Design and build backend automation workflows (n8n) and AI-integrated features for real estate and business clients, working in two-week Agile sprints with the founding team.
- Debug and resolve customer-reported issues in live production systems, tracing failures through webhook logs and shipping fixes with minimal downtime.
- Design, code, and unit test API integrations (GoHighLevel CRM, WhatsApp) at the component level before wiring them into client-facing workflows.
- Deploy changes through git-based pipelines to Linux-hosted production servers and monitor post-release stability.
- Work directly with stakeholders to translate business requirements into working automation logic.

Co-founder & COO — Katagoge.com

Jan 2026 – Present

- Co-founded execution infrastructure for early-stage startups; work with the engineering team on the Next.js/React/Node.js platform from requirements through delivery.
- Own product strategy and sprint prioritization in a small, Agile team shipping incremental releases.

Software Intern — Zensar ESD

Jan 2025 – Feb 2025

- Designed and unit-tested Python components with database integration as part of enterprise application delivery, under senior engineer mentorship.
- Worked within an Agile team structure, joining sprint planning and stand-ups to align on stakeholder requirements.
- Got hands-on exposure to CI-driven build and test pipelines, and to debugging issues surfaced during integration testing.

RPA & Web Development Intern — Rajavi Technologies Pvt. Ltd., Pune

Jul 2021 – Sep 2021

- Contributed to full-stack web development and automation tasks within enterprise workflows, fixing bugs flagged during internal testing.

PROJECTS

FolioPort — Resume-to-Portfolio SaaS Platform

folioport.live

Full-stack SaaS product that turns a resume into a live portfolio website; designed, built, and deployed independently with real paying users.

- Designed and unit-tested backend API routes (auth, payments, portfolio generation) before integrating them with the Next.js front end.
- Built and shipped the front-end UI in Next.js/Tailwind CSS, including the public portfolio templates and live user dashboard.
- Deployed through Firebase, debugging issues reported by early users and pushing fixes through git-triggered redeloys.

Stack: Next.js, Payments API, Firebase, Tailwind CSS

Mentesa — No-Code Multi-Bot Generative AI Platform

mentesa.live

SaaS platform for building LLM agents with persistent memory and document-based RAG (FAISS); published research at IJSREM 2025.

- Designed the backend retrieval pipeline (Python, FastAPI, FAISS) and unit-tested core retrieval and memory components.
- Built the multi-bot admin dashboard in Streamlit and iterated on it based on user feedback.

Stack: Python, LangChain, FAISS, Firebase, Gemini API, Streamlit

ChatDouble — AI Persona Mimicry Chatbot

chatdouble.streamlit.app

Chatbot platform with FAISS-based contextual retrieval and personality-mirroring, built on the Gemini API.

- Designed and unit-tested the retrieval and response-generation components, then wired them into a Streamlit front end.

Stack: Python, Gemini API, FAISS, Streamlit

EDUCATION

Bachelor of Engineering — Computer Engineering, CGPA: 8.5 / 10

2023 – 2026

Savitribai Phule Pune University (Zeal College of Engineering & Research, Pune)

Diploma — Computer Engineering, 86.06%

2020 – 2023

Maharashtra State Board of Technical Education, Nashik

CERTIFICATIONS

- Python Employability Skill Development Programme — Rubicon & Deutsche Bank (Mar 2025)
- Machine Learning with AI using Python — Quantum Learning (Sep 2022)

ACHIEVEMENTS

- 1st Prize — Innoverse 2.0 (2025), national-level inter-college innovation competition, for an AI-based solution.
- 1st Prize — NexAI Coding Competition (2024 & 2025), back-to-back wins in AI/ML problem-solving.