

Sakshi Deshmukh

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PROFESSIONAL SUMMARY

Innovative Computer Science student specializing in AI, cloud, and full-stack development, delivering scalable, high-impact solutions. **Microsoft CWB Hackathon Winner**, recognized for engineering a multi-agent AI mentor that boosted learning outcomes by 25%.

EDUCATION

MIT Academy of Engineering, Pune
Bachelor of Technology - Computer Science and Engineering, GPA: 9.28

- Academic Topper (Rank 1/200+); LPF Scholarship for Academic Excellence (2023)

Pune, India
Aug 2023 – May 2027

TECHNICAL SKILLS

Languages: Java, Python, C++, JavaScript
Frameworks & Libraries: Node.js, React.js, Spring Boot, Express, Tailwind CSS, Keras
Databases: MySQL, PostgreSQL, MongoDB
Cloud & Tools: Azure (OpenAI, AI Search, Document Intelligence), Git, Docker, OOPs, DSA

PROJECTS

- Study Mentor AI (Generative AI, Multi-Agent Systems, RAG):** Boosted quiz accuracy by **25%** for 50+ pilot users by engineering a multi-agent AI mentor using the Autogen Framework and Azure AI. Delivered **99.9% uptime** and an average **1.3s response time**. Tech: Azure OpenAI, Azure AI Search, Azure Document Intelligence, Autogen Framework.
- AI Document Verification System (Machine Learning, OCR):** Achieved **95.7%** fraud detection accuracy for Aadhaar and government IDs using a YOLOv8-based detector and Tesseract OCR; reduced manual verification by **60%** with an automated pipeline.
- Brain Tumor Detection (Deep Learning):** Reached **94.3%** classification accuracy on a dataset of **3,000 MRI scans** using a Keras CNN; delivered predictions in **<1.2s** per image via a Flask UI.
- WorkOrbit Freelance Platform (Backend Development):** Engineered a Spring Boot backend supporting **1,000+ concurrent requests** with role-based JWT authentication, secure payment processing, and a bidding workflow; reduced transaction failures by **15%** through backend optimizations. Tech: Spring Boot, Spring Security, JWT, PostgreSQL.
- Responsive Portfolio Website (Front-End Development):** Optimized React + Tailwind site to a **97/100 Lighthouse** performance score and attracted **1,000+** visitors within 3 months. Tech: React.js, Tailwind CSS, Vercel.

EXPERIENCE

iNextLabs
Software Developer Intern

- Engineered multi-agent AI architectures using the DSPy module, increasing system adaptability by **30%** in live deployments.
- Integrated LLMs with RAG pipelines to achieve **40% faster query resolution** and improved retrieval accuracy.
- Applied software engineering and debugging practices to deliver customer-focused AI solutions for enterprise clients.
- Proactively adopted and deployed new AI frameworks within compressed timelines to meet production deadlines.

Pune, India
Jun 2025 – Present

Design Thinking Internship
Product Design and Development Intern

- Secured Top 5% placement at IASF Hackathon by delivering a circular-economy MVP from concept to launch.
- Increased prototype adoption by **20%** through integration of Google Maps API and Dialogflow chatbot.

Pune, India
Jun 2024 – Aug 2024

HONORS AND AWARDS

Academic Topper (Highest CGPA: 9.28) – MIT Academy of Engineering (2024)
2-Star Coder (1400+ rating) – CodeChef