

SIDDHI UTTEKAR

Pune, India

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EDUCATION

AISSMS Institute of Information Technology, Pune
Bachelor of Technology in Information Technology

2022 - 2026
CGPA: 8.76/10

EXPERIENCE

EasyLearning — Frontend Development Intern

June 2025 – August 2025

- Engineered a password-less Email-OTP authentication system using TanStack Router guards, Axios interceptors, and secure JWT cookies, serving **80K+ users**, eliminating passwords for secure instant access.
- Built a LaTeX-enabled test attempt engine with MathJax rendering and real-time answer tracking, actively used across **5 courses for grades 8-10 and 11-12 PCMB**, serving real students and teachers in a live learning environment.

PROJECTS

AI Codebase Assistant — *RAG, FastAPI, LangChain, FAISS, VoyageAI*

[Live Demo](#)

- Developed an **AI Codebase Assistant** enabling developers to **query repositories in natural language**, significantly reducing code navigation time.
- Implemented a **RAG pipeline** using **VoyageAI embeddings, FAISS vector search, and LangChain** to semantically index and retrieve multi-language source files (Python, JS, Java).
- Built a **full-stack React and FastAPI** application to automate repository cloning and provide an interactive interface for tracing logic flow and functionality.

EatWise — *React, Node.js, Express.js, PostgreSQL, Tesseract.js, GROQ API*

[Live Demo](#)

- Built an **AI-powered food safety analyzer** tested on **20+ real food product labels**, enabling users to detect harmful or allergen ingredients from uploaded packaging images.
- Integrated **Tesseract.js OCR** with GROQ-powered AI analysis to automate ingredient extraction and safety classification, eliminating manual verification entirely.
- Designed a PostgreSQL-backed system with JWT-based sign-in/sign-up authentication to protect user data, persist analysis history, and enable repeatable food safety evaluations per user.

AI Research Digest Agent — *n8n, Groq API (Llama 3.3), Tavily API, Slack API*

[Github](#)

- Built a self-hosted AI agent in n8n that autonomously decides when to call a live web-search tool (Tavily) before synthesizing findings with an LLM (Groq), rather than relying on a fixed prompt-response flow.
- Diagnosed a tool-invocation reliability bug by inspecting execution logs, fixed it with prompt-level constraints, and automated topic-based research delivery to Slack on a daily schedule.

TECHNICAL SKILLS

Programming Languages	Java, Python, SQL, Javascript, HTML, CSS
Frameworks & Libraries	React.js, Tailwind CSS, Node.js, Pandas, Shadcn UI, Git/GitHub, Postman, Docker
Databases & Cloud	PostgreSQL, AWS (EC2, S3), Power BI
AI / GenAI & Tools	RAG, Prompt Engineering, LangChain, FAISS, OCR (Tesseract.js), Agentic AI, n8n

CERTIFICATIONS / ACHIEVEMENTS

- Research Publication** - Co-authored and published “Mockhire: Adaptive Interview Training and Recruitment Automation Through Objective AI Assessment” in IEEE Xplore and Scopus indexed proceedings. [\[IEEE Xplore\]](#).
- 3rd Rank** in T.Y.B.Tech Information Technology for academic excellence in IT department.
- OCI 2025 GenAI Professional** – LLMs, RAG pipelines, and OCI AI services [\[Certificate\]](#).
- Azure AI Fundamentals (AI-900)** – NLP, Computer Vision, and Azure AI services [\[Certificate\]](#).
- Azure Data Fundamentals (DP-900)** – Core data concepts and Azure data services [\[Certificate\]](#).
- AWS Academy Graduate** – Cloud Foundations, core services, and security fundamentals [\[Certificate\]](#).