

NIKHIL GUMASTA

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SUMMARY

B.Tech student in Artificial Intelligence & Data Science with hands-on experience building and deploying AI/ML projects end-to-end — from training models in Python to shipping agentic AI tools on cloud infrastructure. Comfortable across the stack: Python, FastAPI, React, and Microsoft Azure. Drawn to practical, resource-constrained problem solving and enjoys figuring things out independently, documenting the process, and sharing it with others.

EDUCATION

Samrat Ashok Technological Institute, Vidisha

2024 – 2028 (Expected)

Bachelor of Technology (B.Tech) — Artificial Intelligence & Data Science | CGPA: 7.2

TECHNICAL SKILLS

Languages: Python, Java, SQL

AI / ML: TensorFlow, Keras, scikit-learn, pandas, NumPy

Agentic AI & LLM Tooling: LangChain, LangGraph, CrewAI, Anthropic Claude API, OpenRouter, Gemini API

Web & Backend: FastAPI, React, Node.js, HTML, CSS, Bootstrap

Cloud & DevOps: Microsoft Azure (VM provisioning & deployment), Git, GitHub, PM2

Databases & Storage: MongoDB Atlas, JSON file handling

Core CS: Data Structures & Algorithms, Object-Oriented Programming, Computer Networks, OS

PROJECTS

OpenClaw — AI Agent Platform | *Python, FastAPI, React, Microsoft Azure*

- Designed and deployed an agentic AI assistant platform on a Microsoft Azure VM, provisioned using Azure for Students credits.
- Integrated OpenRouter and Google Gemini free-tier models as a fallback reasoning backend after exhausting initial Anthropic API credits, keeping the platform running at near-zero cost.
- Built a FastAPI backend and React frontend to deliver a Claude-style conversational interface; explored agentic frameworks (LangChain, LangGraph, CrewAI) toward a long-term goal of a full agentic AI system.
- Wrote a technical blog post walking through the Azure for Students setup so other students could replicate a low-cost AI deployment.

Anonymous Chat Telegram Bot | *Node.js, Telegraf.js, MongoDB Atlas, Azure VM, PM2*

- Deployed a Telegram bot enabling anonymous, gender-matched conversations between users, with returning-user profile persistence.
- Hosted on an Ubuntu Azure VM, using MongoDB Atlas for data storage and PM2 for process management/uptime.

Student Data Manager & File Organizer | *Python*

- Built a console-based CRUD application for student records using lists, dictionaries, and JSON file handling for persistent storage, structured into modular functions.
- Developed a separate script that automatically organizes files by type using the OS and shutil modules with conditional categorization logic.

ACTIVITIES & EVENTS

- BioPackathon 2026 — submitted “TriBio Sachet,” a proposal for biodegradable packaging for pan masala sachets, backed by peer-reviewed sources.
- Participant, Google Developers Solution Challenge 2025.
- Participant, Tantra Fiesta (IIIT Nagpur) — built a Line Following Robot.
- Participated in community development and social awareness programs through NSS (National Service Scheme).
- Collaborated with peers in team-based activities, strengthening teamwork and discipline.

ACHIEVEMENTS

- Winner, Counterspell Hackathon 2024.
- Practiced Data Structures & Algorithms extensively using Java.
- Actively builds and self-teaches across AI/ML, full-stack development, and cloud infrastructure.