

AYUSH SHARMA

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PROFILE

B.Tech Computer Science student with a strong academic background specializing in backend development and AI applications. Passionate about building robust systems with AI intelligent features integrated. Actively seeking work opportunities to apply my problem-solving abilities and creative thinking within a forward-looking, high-impact engineering team.

EDUCATION

School of Engineering, JECRC University, Jaipur, Rajasthan 2023 – Present

- **B.Tech in Computer Science and Engineering** | Current CGPA: 8.9/10
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems (SQL), Google Cloud.

St. Mary's Convent Sr. Sec. School, Jaipur, Rajasthan | CBSE Class XII | **Percentage: 90.2%** 2022 – 2023

TECHNICAL SKILLS

- **Languages:** Python, Java, SQL (PostgreSQL, SQLite), JavaScript, HTML/CSS.
- **AI & LLM:** Gemini API, RAG, Agentic AI, Prompt Engineering, n8n Automation.
- **Frameworks & APIs:** FastAPI, Flask, OpenAPI / Swagger UI, RESTful APIs, Pandas.
- **Developer Tools & Cloud:** Git/GitHub, Linux, AWS, Google Cloud, Bruno, Postman.
- **AI Coding Tools:** Cursor, Google Antigravity, OpenCode.

PROJECTS

Agentic AI Coding Assistant | [GitHub](#) MAR 2026

Tech Stack: Python 3.14, Gemini API, Function Calling, System Prompting

- Built an autonomous **AI coding assistant** using **Google Gemini** that turns natural language prompts into step-by-step file system actions.
- Equipped the AI with **4 core tools** (file reading, writing, directory search, and Python code execution) to interact directly with local files.
- Designed a **clean, modular architecture** in Python 3.14, keeping AI tool definitions, execution code, and the main control loop neatly separated.

Business Operations Automation | [GitHub](#) NOV 2025 – Present

Tech Stack: SQLite, Turso Cloud DB, Etsy OpenAPI, S3

- Helped business **scale output by 5x** (from 20 to 120+ items/day) while cutting overall processing workload by **50%**.
- Designed an **all-in-one desktop business app** that connects local stock tracking, cloud photo storage, and Etsy store listing into a single automated workflow.
- Automated **label printing and order tracking**, replacing manual spreadsheet data entry with instant sticker generation and real-time sales syncing.

CERTIFICATIONS

- Google Cloud Foundations Certificate.
- Google Cloud Engineering Certificate.
- NPTEL Certifications:
 1. Business Fundamentals for Entrepreneurs (93%)
 2. Foundation of Digital Business (92%)
 3. Business and Sustainable Development (88%)