

ADITYA PRAKASH ACHARYA

Aspiring Python Developer | SQL Developer | Backend Developer

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PROFESSIONAL SUMMARY

Computer Science graduate (B.E., AI/ML) with a solid foundation in Python, SQL, and relational database design, built through hands-on personal projects. Comfortable writing clean, functional code and using AI-assisted development tools to learn faster and debug efficiently. Looking for an entry-level opportunity as a Python Developer, SQL Developer, or Backend Developer to build on these fundamentals in a real engineering environment.

TECHNICAL SKILLS

Programming Languages: Python, SQL, HTML, CSS

Databases: Relational Database Concepts, SQL Querying, Database Design

Development Tools: Git/GitHub, Visual Studio Code, Jupyter Notebooks

AI & Automation: AI-Assisted Coding (Prompt Engineering), Workflow Automation Logic

PROJECTS

Student Records Management System

Python, MySQL, Database Design, Git

- Designed a normalized (3NF) MySQL schema to manage student records, attendance, and results, removing duplicate and inconsistent data.
- Built Python scripts for CRUD operations and basic data validation to keep the database accurate and query-ready.
- Added indexing on frequently searched columns as part of basic query optimization.

Inventory Management System

Python, SQL, Git

- Designed a relational database schema in SQL to track products, stock quantities, and supplier details for a small inventory setup.
- Built a Python command-line application for adding, updating, and removing stock records through direct SQL queries.
- Wrote SQL queries to flag low-stock items and generate simple restock reports on demand.

File Organizer Automation Script

Python, Workflow Automation

- Built a Python script using core file-handling modules to automatically sort files into folders based on file type and date.
- Added logic to detect and skip duplicate files, keeping folders organized without manual sorting.
- Used AI-assisted coding (prompt engineering) to speed up debugging and refine the script's logic.

Command-Line Task Manager

Python, File Handling

- Built a command-line to-do list application in Python that lets users add, update, complete, and delete tasks.
- Stored task data locally in a structured text/JSON file so the list persists between sessions.
- Used AI-assisted coding to plan the program's structure and troubleshoot edge cases during development.

E-Commerce Order Management System

Python, SQL (MySQL), Git

- Designed a multi-table relational schema (customers, products, orders, order items) with foreign key constraints to keep data consistent across the system.
- Built a Python backend to place orders, deduct stock in real time, and generate itemized invoices directly from the database.
- Used SQL transactions so stock updates and order records stay in sync even if a step fails midway, avoiding partial or corrupted orders.
- Wrote JOIN-based SQL queries for order history, customer purchase summaries, and low-stock alerts; tracked all changes with Git.

EDUCATION

B.E. in Computer Science & Engineering (AI/ML)

University of Mumbai — 2022-2025 — CGPA: 6.87 (Final Semester: 8.43)

Diploma in Information Technology

MSBTE — 2020-2022 — Percentage: 76%

ACHIEVEMENTS

Winner, College Project Exhibition 2025

- Built a real-time criminal identification platform featuring a drag-and-drop sketch maker, database-driven face matching, live camera surveillance with automated alerts, and mobile-based iris recognition.

Certificate: [View Certificate](#)