

# Hamza Siddiqui

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## SUMMARY

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Final-year Data Science undergraduate with hands-on experience in Python, SQL, Machine Learning, Natural Language Processing (NLP), Generative AI, and backend development. Experienced in building AI-powered applications, Retrieval-Augmented Generation (RAG) systems, analytics platforms, and decision-support solutions. Skilled in FastAPI, PostgreSQL, Power BI, and AI workflow automation. Passionate about applying machine learning and generative AI technologies to solve real-world business challenges through scalable and production-oriented systems.

## EDUCATION

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### Atharva College, Mumbai University

Bachelor of Science in Data Science, CGPI: 7.90/10

2023 - 2026

## EXPERIENCE

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### Data Analyst / ERP Intern

Dec 2023 – May 2024

Sahil Dresses

- Collected, cleaned, and transformed business datasets for operational reporting.
- Performed data validation and quality checks to improve reporting accuracy.
- Built reports and dashboards using Excel and Power BI.
- Identified trends and anomalies to support business decision-making.
- Worked with ERP systems to improve operational visibility.

## PROJECTS

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### AGMIS – Academic Guidance & Monitoring System | Technologies: Python, FastAPI, SQLite, Machine Learning

- Built an AI-driven academic monitoring and analytics platform.
- Designed data pipelines to process and analyze student performance data.
- Applied anomaly detection techniques including Z-score analysis and Isolation Forest.
- Developed dashboards, reporting modules, and role-based access systems.
- Published the project as an open-source solution.

<https://github.com/hamsidhi/AGMIS>

### SkillMind AI – Retrieval-Augmented Knowledge Platform | Technologies: Python, FastAPI, ChromaDB, RAG

- Developed a Retrieval-Augmented Generation (RAG) platform.
- Implemented semantic search using embeddings and vector databases.
- Improved information retrieval accuracy through prompt engineering techniques.
- Designed modular architecture for scalable AI workflows.

### ArcheoMind – Intelligent Document Analysis System | Technologies: Python, NLP, Retrieval Systems

- Developed document parsing, indexing, and semantic retrieval workflows.
- Built intelligent question-answering capabilities for document collections.

- Applied NLP techniques for information extraction and retrieval.

### **AI Automation & Voice Agents** | Technologies: APIs, n8n, Automation Platforms

- Designed AI-powered voice agents and workflow automation systems.
- Integrated multiple APIs to support real-world business processes.
- Built scalable automation pipelines for productivity applications.

## **TECHNICAL SKILLS**

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**Languages:** Python, SQL

**Data Science:** Statistics, Data Analysis, EDA, Machine Learning Fundamentals

**AI:** Prompt Engineering, LLM Concepts, RAG Concepts

**Frameworks:** FastAPI, Scikit-Learn

**Databases:** SQLite

**Visualization:** Power BI, Excel, Matplotlib

**Tools:** Git, GitHub, VS Code, REST APIs

## **COURSES COMPLETED**

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IBM SkillsBuild – Agentic AI

Power BI Workshop Certification

Microsoft Excel Certification

## **LEADERSHIP**

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National Cadet Corps (NCC) • Developed leadership, teamwork, communication, and decision-making skills through structured training programs.

State-Level Basketball Player • Demonstrated teamwork, discipline, and performance under pressure in competitive environments.

## **ADDITIONAL INFORMATION**

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- Strong interest in Artificial Intelligence, Automation Systems, and Data-Driven Applications.
- Comfortable working with structured and unstructured datasets.
- Passionate about building practical AI solutions and real-world intelligent systems.