

# AKSHAY GURAV

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## PROFILE SUMMARY

Aspiring **Data Science & AI/ML Engineer** with hands-on experience in model development, RAG systems, and interactive dashboards. Skilled in Python, Power BI, and deployment frameworks, with a strong foundation in Development Projects, automation, and visualization.

## TECHNICAL SKILLS

**Programming & Stack:** Python, JavaScript, HTML5, CSS3

**Machine Learning / AI:** Supervised & Unsupervised Learning, Deep Learning, LLMs, RAG, Model Deployment

**Libraries & Frameworks:** Pandas, NumPy, Scikit-learn, PyTorch, OpenCV, Streamlit, FastAPI, Flask

**Databases:** PostgreSQL, MySQL, Supabase

**Data Analysis & Visualization:** Excel, Tableau, Power BI, Matplotlib, Seaborn

**Tools & IDEs:** Jupyter Notebook, PyCharm, Git, GitHub, Docker, CI/CD (Basics)

**Core Subjects:** Computer Networks, DBMS, Software Engineering, Cyber Security

## PROJECTS

### SachGPT – Retrieval-Augmented Generation (RAG) Chatbot

[Live Demo](#)    [GitHub](#)

Built a **domain-specific RAG system** for contextual document Q&A using **LLM** and **API**.

- Achieved **90% retrieval precision** with reduced hallucinations via semantic search.
- Integrated **multilingual query support** and a **Flask-based backend** for seamless interaction.

**Tech Stack:** Python, Flask, Sentence-Transformers, OpenAI API, Gemini API

### LinkedIn Analytics Dashboard – Power BI Insights

[GitHub](#)

Designed an **interactive Power BI dashboard** for analyzing engagement, connections, and post performance.

- Used **Power Query & DAX** for KPI creation, data modeling, and trend visualization.
- Delivered **insights into audience growth and behavior patterns**.

**Tech Stack:** Power BI, Excel, DAX, Power Query

### Skin Disease AI – Deep Learning Dermatology System

[Live Demo](#)    [GitHub](#)

Developed an AI model for **skin disease classification across 7 classes** using **Xception CNN**. Built an end-to-end ML pipeline with preprocessing, data augmentation, and deployment via **Streamlit**.

- Achieved **92% accuracy** using transfer learning and optimized feature extraction.
- Also built a **web-integrated version using LLM API, HTML, CSS, and JavaScript**. [Live Version — Dermo AI](#)

**Tech Stack:** Python, TensorFlow, OpenCV, Scikit-learn, Streamlit, HTML, CSS, JavaScript

## EXPERIENCE

### **Data Science Intern**

Jul 2025 – Oct 2025

Curetopia (Remote, USA/Switzerland)

- Selected for a **global Data Science internship**, contributing to automation and research tools.
- **Eliza Framework:** Built an AI system for **hypothesis generation** from research papers; improved reliability by **33%**.
- Designed **knowledge graph visualizations** for biomedical entities, enabling faster pattern discovery.
- Developed a **Scientific Agent Model** for automated content generation and publication via APIs.
- Streamlined **data pipelines** (scraping → preprocessing → visualization → posting), improving operational efficiency.

## OPEN-SOURCE CONTRIBUTIONS

- **Google Summer of Code 2024 — PathVisio:** Contributed to data visualization workflows; PR merged.    [GitHub](#)
- **NotesVault (GSSoC 2025):** Enhanced frontend & backend using HTML, CSS, JS, Python.    [GitHub](#)

## EDUCATION

### **Bachelor of Technology in Information Technology**

2022 – 2026

J J Magdum College of Engineering, Jaysingpur, Kolhapur, MH

CGPA: 7.0 / 10

## ACHIEVEMENTS

- **2× Smart India Hackathon (Internal)** — Projects *HackFit* & *Fasal Mitra*    2024 & 2025
- **Ex-Vice President, E-Cell** — Achieved **AIR 113 Rank** in IIT Bombay competition
- **Avishkar Research Competition** — Shortlisted for Zonal Level (National Event)

## CERTIFICATIONS

- Deloitte – Data Analytics    • Oneroadmap – AI Data Scientist Program    • IIT Delhi – Entrepreneurship Framework
- TATA – Data Visualisation: Empowering Business    [View All Certificates](#)