Pranjal Upadhyay

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Professional Summary

High-achieving AI & Data Science Scholar (Top 5% of class, 8.9 CGPA) with proven expertise in building production-grade GenAI pipelines and scalable ML models. Strong background in ETL, data modeling, and algorithmic problem-solving (300+ LeetCode/GFG problems).

Technical Skills

Languages & Databases: Python (Pandas, NumPy, Scikit-learn, Seaborn), SQL (MySQL, PostgreSQL), C++, MongoDB
Data Analysis & BI: Power BI, Tableau, Microsoft Excel, Exploratory Data Analysis (EDA), Data Visualization
Machine Learning & GenAI: XGBoost, K-Means Clustering, RAG, Computer Vision, LangChain, OpenAI API, Large Language Models (LLMs)
Developer Tools: Git, GitHub, Jupyter Notebook, Flask, Google Colab, Google Cloud, UiPath

Professional Experience

Infosys Springboard Dec 2025 – Present
AI/ML Intern *Remote*

- **Architected** an automated research synthesis system using GPT models and Semantic Scholar API, reducing document processing time by 85%.
- **Engineered** a multi-agent workflow using **LangGraph** for structured content extraction, improving retrieval accuracy by 35% through cross-document comparison.

Edunet Foundation – Microsoft May 2025 – June 2025
AI Azure Intern *Remote*

- **Deployed** end-to-end ML pipelines on Azure, optimizing model performance for Image Classification and Sentiment Analysis.
- **Standardized** AI application workflows in collaboration with AICTE, ensuring industry-aligned deployment practices.

Technical Projects

CIVICA – AI-Based Smart Life Assistant | *Python, Flask, AI APIs* GitHub

- Built an **AI-powered smart assistant** to help users access government schemes, detect misinformation, and improve digital literacy.
- Integrated intelligent features such as fake news detection and personalized guidance with a focus on social impact.

Personalized Recommendation System | *Python, NLP, ML* GitHub

- Developed a **hybrid recommendation engine** using content-based filtering (TF-IDF, cosine similarity) and collaborative filtering techniques.
- Implemented a hybrid TF-IDF and Cosine Similarity engine that improved recommendation relevance by 35%.

Business Management System | *Python, Database, OOP* GitHub

- Designed a **business management system** to manage employees, inventory, and sales operations.
- Engineered a modular CRUD-based architecture using OOP principles, ensuring 99.9% data integrity for inventory and sales.

Education

Poornima University Jaipur, India
Bachelor of Technology in Computer Science (AI & Data Science) *2023 – 2027*

- **Current CGPA: 8.88/10.0** (Top 5% of class)

Achievements and Certifications

- **Problem Solving:** Solved **300+ problems** on LeetCode, GeeksforGeeks, and HackerRank.
- **Certifications:**

  Cloud & Generative AI: Oracle OCI Data Science Professional, Oracle OCI GenAI Professional, Google Gen AI.

  Data Analytics: Google Data Analytics, Microsoft & LinkedIn Career Essentials.

  Programming: IBM Python for Data Science, HackerRank Python & SQL.