ANKUSH PRAMANIK

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PROFESSIONAL SUMMARY

Results-driven Data Science professional skilled in AI automation, predictive analytics, and ML pipelines. Proficient in Python, TensorFlow, SQL, and cloud (Airflow, GitHub Actions). Experienced in NLP, computer vision, and MLOps, delivering 90%+ model accuracy and scalable, data-driven solutions that drive business impact.

EDUCATION

ABES Engineering College, Ghaziabad, UP   *2022 - 2026*
B.Tech in Computer Science & Engineering (Data Science) • 79.86%

St Teresa School, Ghaziabad, UP   *2020 - 2022*
Class 12 (CBSE) • **Percentage: 79.3%**
Class 10 (CBSE) • **Percentage: 82%**

TECHNICAL SKILLS

Generative AI & LLMs:
RAG, LangChain, Vector Databases, Embeddings, Claude, OpenAI, Gemini, Prompt Engineering, Fine-tuning,

NLP & Computer Vision:
Text Classification, Sentiment Analysis, Object Detection, Image Segmentation

Deep Learning & Neural Networks:
Transformers, CNNs, RNNs, LSTMs, GANs, Attention Mechanisms, Transfer Learning

Programming & Languages:
Python, SQL, React, Tailwind CSS, C++

AI/ML Frameworks:
PyTorch, TensorFlow, Keras, Scikit-learn, Hugging Face, Transformers, NLTK, SpaCy, XGBoost

Cloud & MLOps:
Airflow , GitHub Actions, Docker, CI/CD, Model Deployment

Databases & Storage:
Supabase, PostgreSQL, MongoDB,

Visualization & Analytics:
Power BI, Plotly, Matplotlib, Seaborn, Streamlit, Jupyter

PROJECTS

Plant Health Analyzer   Flask • Supabase • Gemini API   GitHub   Demo

- Gemini-powered Flask app for plant leaf disease detection with diagnosis, treatment plans, and India-specific medicine cost estimates.
- Secure Supabase auth, responsive UI, multi-modal image input, SQLite history, and PDF export.

Personal Cloud Storage   Next.js • Generative AI • Supabase • Tailwind CSS   GitHub   Demo

- A sleek AI-powered cloud storage app built with Next.js that offers smart file organization, secure auth, and seamless payments.
- Experience intelligent file management with Supabase, Clerk, and Google Generative AI integration.

Smart Invoice Scanner   Python • SQLite • Google Gemini API • NLP   GitHub   Demo

- AI-powered invoice scanner that auto-extracts, verifies, and manages invoice data using Gemini AI.
- Built with Flask for secure, intelligent, and efficient invoice processing.

YouTube Stats Tracker Builder   TypeScript • Tailwind CSS • JSZip • Generative AI   GitHub   Demo

- No-code YouTube stats tracker builder that lets anyone generate a personalized Chrome extension to monitor channel analytics.
- Displays real-time subs, views, and videos with a clean, modern UI and theme support.

RESEARCH & ACHIEVEMENTS

- Built multiple AI agents for various tasks including text classification and sentiment analysis
- Hackathon Finalist: Developed AI-powered healthcare management system using Deep Learning and LLMs, reducing diagnostic time by 50%
- Participated in multiple Kaggle competitions focusing on NLP and computer vision

PROFESSIONAL CERTIFICATIONS

- Oracle Cloud Infrastructure Generative AI Professional
- AI Engineer for Data Scientists Associate (DataCamp)
- Deep Learning Specialization (DeepLearning.AI - Coursera)