SAPNA GIRME

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OBJECTIVE

As a fresher with strong foundations in data science, machine learning (ML), deep learning (DL), and data analytics, I aim to secure a role where I can apply analytical and technical skills to solve real-world problems and contribute to data-driven decisions across business and AI domains.

EDUCATION

MSc in Data Science & Big Data Analytics

B.K. Birla College of Arts, Science & Commerce Kalyan
2023 – 2025
CGPA: 9.81
Percentage : 87.27%

BSc in Information Technology

S K Somaiya College of Science, Commerce & Arts
2020 – 2023
CGPA: 9.58
Percentage : 82.58%

HSC

B.K. Birla College of Arts, Science & Commerce Kalyan
2018 – 2020
Percentage : 76.62%

SSC

Ganesh Vidya Mandir , Kalyan
2017 – 2018
Percentage : 89.60%

CERTIFICATES

- Practical Approach to Data Mining (TCS)
- Machine Learning (L&T)
- Deep Learning (L&T)
- Enterprise Data Science in Practice (IBM)
- Getting Started with Enterprise- grade AI (IBM)
- Data Analysis Using Python (IBM)
- Data Analytics Essentials (Cisco)
- Python for Data Science & AI (Coursera)

ACHIEVEMENTS

- Secured **First** Rank in the 1st and 2nd year of B.Sc. IT.
- Secured **Second** Rank overall in B.Sc. IT across all 3 years.

PROFESSIONAL EXPERIENCE

Artificial Intelligence Extern

Smart Internz | 4th March 2024 – 15th May 2024
- Gained hands-on experience in ML, DL, and data analytics.
- Built models and algorithms using Python, Pandas, and Scikit-learn.
- Worked on preprocessing, feature engineering, and model tuning.
- Used Git and Jira for version control and project collaboration.

PROJECTS

Verdict AI: AI Powered Legal Intelligence Platform
- Built a legal chatbot using **TinyLLaMA (GGUF) + RAG (LangChain, ChromaDB)** to answer legal queries with document-grounded responses.
- Summarized lengthy legal documents using **facebook/bart-large-cnn** with chunking, BERTScore & compression ratio.
- Recommended relevant Supreme Court cases using **SentenceTransformers + FAISS.**
- Translated legal texts into 7 Indian languages via **Rotary-IndicTrans2-en-indic-dist-200M.**

Road Accident Analysis Dashboard – Power BI
- Analyzed 300K+ accident records to identify patterns by vehicle, location, and light conditions; used slicers to support scenario-based analysis.

Eye Disease Detection Using Deep Learning
- Trained a **CNN** to classify images into cataract, glaucoma, diabetic retinopathy, and normal; deployed with **Flask**; achieved **85% accuracy.**

Social Media Analytics Dashboard – Power BI
- Created a dashboard for engagement metrics like likes, shares, and views; helped guide audience-specific content strategies.

Face Mask Detection with Alarm
- Used **Haar Cascades** and **CNN** for real-time mask detection with **96% accuracy**; added sound alerts using mixer.sound for violations.

Superstore Sales Dashboard – Tableau
- Built an interactive dashboard to visualize sales, profit, and orders by category and region, enabling KPI tracking and performance insights.

TECHNICAL SKILLS

- **Programming:** Python, SQL, DAX
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau
- **Data Preprocessing:** Data Cleaning, Wrangling, Feature Engineering, EDA
- **Machine Learning:** Scikit-learn, TensorFlow, Classification, Regression, Clustering
- **Deep Learning:** Neural Networks (CNN, RNN), Image Processing
- **Tools & Platforms:** Jupyter Notebook, Google Colab, Git, GitHub, Jira