

VIVEK SARASWAT

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PROFESSIONAL SUMMARY

Entry-level AI/ML Engineer Trainee with hands-on experience in **Machine Learning, Data Analysis, and Predictive Modeling** through projects and internship. Skilled in **Python, SQL, and ML libraries** with foundations in **supervised/unsupervised learning, NLP**, recommendation systems, and deep learning basics. Experienced in applying ML techniques to real-world datasets and delivering actionable insights.

TECHNICAL SKILLS

Programming & Libraries: Python | NumPy | Pandas | scikit-learn | Matplotlib | Seaborn | TensorFlow – basics) | SQL | DAX

Machine Learning Concepts: Regression | Classification | Clustering | Text Classification (NLP) | Recommendation Systems | Feature Engineering | Model Evaluation | Probability & Statistics

Data Tools & Databases: Power BI | Tableau | MySQL | SQLite | Jupyter Notebook | Git/GitHub | Excel (Pivot Tables | VLOOKUP | XLOOKUP)

Other Skills: Data Preprocessing | EDA | ETL | BI Reporting | APIs | Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

Data Analyst Intern — ABES Institute of Technology, Ghaziabad | July 2025 – August 2025

- Developed an EV Charging Station Analysis Dashboard using Tableau, Excel, and SQL to identify peak demand, improving operational efficiency by 15%.
- Performed data preprocessing, transformation, and SQL-based analysis to support decision-making.
- Applied predictive analysis techniques on usage patterns to identify future demand trends.

PROJECTS

- Movie Review Sentiment Analysis** – Built a model using **TF-IDF + Logistic Regression** to classify reviews as positive/negative. **Achieved 92% accuracy in sentiment classification**
- Bollywood Movie Recommender** – Developed a **content-based recommender** with **CountVectorizer & Cosine Similarity**.
- Spam SMS Classifier** – Created a **Naive Bayes model** to classify SMS as *Spam* or *Ham*.
- Inventory Management with Demand Prediction** – Implemented **Python, SQL & Excel** to track inventory and predict demand, reducing overstock by 10%.
- Task Manager Application** – Designed a **GUI app (Tkinter + SQLite)** with optimized queries, improving performance by 30%.

EDUCATION

B. Tech – Computer Science (Data Science) | ABES Institute of Technology | 2022 – 2026 (Expected) | Current CGPA: 7.56
Class XII (CBSE) | 71 % | 2022
Class X (CBSE) | 87.8 % 2020

CERTIFICATIONS

- SQL – Coursera | Hacker Rank (5★)
- Power BI – Office Master
- Excel – Infosys Springboard
- Machine Learning – Coursera (Andrew Ng, Stanford University) (*In Progress*)