ANITA VERMA
Data Scientist | Machine Learning Specialist
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Location: Bengaluru, Karnataka, India

PROFESSIONAL SUMMARY

Analytical and result-driven Data Scientist with 6+ years of experience in designing and implementing advanced machine learning models and data analytics solutions across e-commerce, fintech, and healthcare domains. Proficient in Python, SQL, ML/DL frameworks, and cloud platforms. Adept at translating business problems into data science solutions, performing statistical analysis, and delivering insights that drive strategic decision-making.

KEY SKILLS

- ✓ Machine Learning & Statistical Modeling
- ✓ Predictive Analytics & Forecasting
- ✓ Deep Learning (CNN, RNN)
- ✓ NLP & Text Analytics
- ✓ Time Series Analysis
- ✓ Data Wrangling & Feature Engineering
- ✓ Model Deployment (Flask, FastAPI, Docker)
- ✓ Data Visualization (Tableau, Power BI, Plotly)
- ✓ SQL, Python, Pandas, NumPy
- ✓ Cloud Platforms (AWS, GCP, Azure)
- ✓ Git, Jupyter, MLflow, Airflow
- ✓ A/B Testing, Experimental Design

PROFESSIONAL EXPERIENCE

Data Scientist – II

ZyloTech Solutions Pvt. Ltd., Bengaluru

Jul 2021 – Present

- Built customer churn prediction models for a SaaS platform using Random Forest and XGBoost, increasing retention by 18%.
- Led development of product recommendation engine using collaborative filtering and content-based approaches (Precision@10: 0.81).
- Created NLP pipeline for real-time sentiment analysis from customer support tickets using spaCy and BERT.
- Deployed ML models to production using Flask API + Docker on AWS EC2.
- Collaborated with data engineers and business analysts in Agile teams to deliver data-driven insights.

Data Scientist

InfiTech Analytics, Mumbai

Jun 2018 – Jun 2021

- Worked on credit scoring model for NBFC using logistic regression, LightGBM, and SMOTE to handle imbalanced datasets.
- Performed time series forecasting (ARIMA, Prophet) for sales prediction across retail stores.
- Designed A/B test frameworks to evaluate pricing experiments, improving campaign effectiveness by 12%.
- Built data pipelines using SQL and scheduled model training with Apache Airflow.

Data Analyst (Entry-level Role)

Tata Consultancy Services (TCS), Pune

Jul 2016 – May 2018

- Performed exploratory data analysis (EDA) and visualizations for client reporting.
- Automated Excel-based reporting systems using Python and SQL, reducing manual effort by 40%.
- Created Tableau dashboards for customer segmentation and product trends.

PROJECT HIGHLIGHTS

1. Resume Screening Automation using NLP

- Built an NLP-based model to classify resumes based on job fit using TF-IDF and Logistic Regression.
- Deployed as a Flask app with REST API; integrated with HR system.
- Improved initial shortlisting time by ~60%.

2. Medical Claim Fraud Detection (Deep Learning)

- Created an anomaly detection model using autoencoders and XGBoost.
- Deployed model on GCP Vertex AI; monitored using MLflow.
- Reduced false positives by 30% compared to rule-based system.

3. Dynamic Pricing Engine (Retail)

- Developed ML pipeline to optimize product pricing based on demand elasticity and competitor analysis.
- Integrated historical sales, competitor pricing APIs, and seasonality.
- Resulted in a 9.5% revenue lift in pilot phase.

EDUCATION

Master of Science (M.Sc.) in Data Science

IIIT Hyderabad (Online + Weekend Program)

Graduated: 2021 | GPA: 8.8 / 10

Bachelor of Engineering – Information Technology

University of Mumbai

Graduated: 2016 | Percentage: 78.2%

CERTIFICATIONS

- IBM Applied AI Certification – Coursera, 2023
- Machine Learning Specialization – Andrew Ng, Coursera, 2022
- Python for Data Science – edX (University of California), 2020
- Tableau Desktop Specialist – Tableau, 2021

TECH STACK

- Languages: Python, SQL, Bash
- Libraries: Scikit-learn, Pandas, NumPy, XGBoost, LightGBM, TensorFlow, Keras, spaCy, NLTK
- Tools: Jupyter, Git, Docker, Airflow, Tableau, Power BI
- Cloud: AWS (S3, EC2, SageMaker), GCP (BigQuery, Vertex AI)

ACHIEVEMENTS

✓ Recognized as "Top Performer" at ZyloTech – 2023

✓ Published technical blog: "Real-Time Model Serving with Flask + Docker"

(12k+ reads)

✓ Finalist at DataHack Summit Hackathon – 2022

✓ Delivered internal training on "Explainable AI (XAI) Techniques"

PERSONAL DETAILS

Date of Birth: 5th May 1993

Languages Known: English, Hindi, Marathi

Nationality: Indian

Address: 401, Maple Residency, Whitefield, Bengaluru – 560066

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge.

Date: 4th October 2025

Place: Bengaluru