

Fnu Abhijith

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EDUCATION

University of Memphis, **Master of Science in Data Science**

Expected Dec 2025

[coursework: Machine Learning, Data Mining, Advanced Statistics, Database Systems, Business AI]

Visvesvaraya Technological University, **Bachelor of Engineering**

July 2023

[Coursework: Probability & Statistics, Linear Algebra, Data Warehousing, AI, Neural Networks, Big Data Analytics]

EXPERIENCE

Data Scientist | Brainovision Solutions (Internship) , India

Jan 2023 - Jun 2023

- Built **ML pipelines** in **Python (scikit-learn, TensorFlow)** that improved KPI predictions by **15%**.
- Conducted **EDA & feature engineering** on **100K+ records**, boosting model interpretability and performance.
- Delivered **Tableau/Matplotlib dashboards** to business teams, enabling faster **data-driven decision-making**.

Data Science | Teachnook (Internship), India

Sep 2022 - Nov 2022

- Developed **classification models (Logistic Regression, XGBoost, Random Forest)**, achieving **90% accuracy**.
- Automated **data preprocessing workflows with Python, NumPy & SQL**, reducing manual effort by **30%**.
- Presented insights with **visualizations & reports**, demonstrating clear **business impact**.

PROJECTS

Cost-Aware Fraud Decisioning (Github)

- Built a **fraud detection pipeline** using **XGBoost** with **cost-sensitive learning** on **1M+ transactions**.
- Engineered features from **user behavior and logs**, improving fraud detection accuracy by **18%**.
- Designed **cost-benefit dashboards** comparing false positives vs false negatives to guide risk teams.

Store Item Demand Forecasting (Github)

- Forecasted demand across **10 stores × 50 items** using **LightGBM** on **5 years of sales data**.
- Engineered **lag, rolling, and seasonal features**, reducing RMSE by **12% over baseline**.
- Deployed forecasts on **AWS SageMaker** for **real-time retail demand prediction**.

ML Pipeline with PyTorch, TensorFlow & LLMs (Github)

- Designed an **end-to-end ML pipeline** integrating **PyTorch** for feature extraction, **TensorFlow** for classification, and **LLMs (Hugging Face Transformers)** for text summarization.
- Automated preprocessing, model training, and evaluation with **scikit-learn + Pandas**, reducing workflow time by **40%**.
- Delivered modular, production-ready pipeline showcasing **multi-framework interoperability**.

A/B Experiment Decision Dashboard (Github)

- Designed an **A/B testing analytics dashboard** analyzing **50K+ user records**.
- Automated **conversion rate, lift, and statistical significance** calculations using **t-tests & Chi-square**.
- Built and deployed the **interactive dashboard in Streamlit**, enabling product teams to make **data-driven decisions**.

SKILLS

Programming & ML: Python, SQL, Pandas, NumPy, Scikit-learn, TensorFlow, XGBoost

Statistics & Experimentation: Hypothesis Testing, A/B Testing, Time Series Forecasting

Visualization & BI: Tableau, Power BI, Matplotlib, Seaborn

MLOps & Deployment: AWS (S3, SageMaker, Lambda), MLflow, Docker, FastAPI

GenAI & NLP: Hugging Face Transformers, LangChain, Pinecone

Collaboration & Tools: Git, GitHub, Jira, Excel

Certifications: Data Scientist in Python (DataCamp), Python for Data Science & AI (IBM)