

# Fnu Abhijith

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## EDUCATION

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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

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**Data Scientist | Brainovision Solutions, India**

**Feb 2023 - Dec 2023**

- Compiled and validated 100K+ records using **Python/SQL** to support KPI tracking and operational insights.
- Performed **EDA, trend analysis, and anomaly checks** to identify performance gaps and potential operational risks.
- Built **Power BI/Tableau dashboards** delivering monthly metrics and highlighting changing operational trends.

**Data Science | Teachnook (Internship), India**

**July 2022 - Dec 2022**

- Automated **data extraction** and **preprocessing** with Python/SQL, improving data consistency and reducing manual effort by 30%.
- Developed and validated models to detect **risk indicators, deviations, and gaps** in operational datasets.
- Created **reports** and **visual** summaries communicating key trends and recommending process improvements.

## PROJECTS

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**Cost-Aware Fraud Decisioning (Github)**

- Built a fraud analytics pipeline processing 1M+ transactions to identify **risk patterns and anomalies**.
- Performed **data validation and feature engineering** to ensure accurate and compliant risk measurement.
- Designed dashboards evaluating **false positives vs false negatives** for operational decision-making.

**Store Item Demand Forecasting (Github)**

- Cleaned and merged 5 years of sales data to improve **KPI forecasting accuracy** across multiple stores.
- Built LightGBM models with **lag, trend, and seasonal features**, improving accuracy by 12%.
- Deployed forecasts on **AWS SageMaker** enabling consistent monthly performance reporting.

**ML Pipeline with PyTorch, TensorFlow & LLMs (Github)**

- Engineered **data integrity workflows** ensuring consistent datasets across multiple ML frameworks.
- Integrated LLM, PyTorch, and TensorFlow components for structured **performance summaries**.
- Delivered a reproducible pipeline with **logging and traceability** for operational analysis.

**A/B Experiment Decision Dashboard (Github)**

- Analyzed 50K+ records using **statistical tests** to identify performance shifts and trend deviations.
- Automated KPI and significance calculations with transparent **validation checks**.
- Built a **Streamlit dashboard** communicating experiment results and operational recommendations.

## SKILLS

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**Programming & Databases:** Python, SQL, Pandas, NumPy, Scikit-learn, PostgreSQL, MySQL

**Visualization & Reporting:** Power BI, Tableau, Excel (Pivot, VLOOKUP, Power Query), Matplotlib

**Operational Analytics:** KPI Tracking, Trend Analysis, Data Compilation, Gap Identification

**Risk & Compliance:** Data Validation, Anomaly Detection, Process Testing, Control Evaluation

**Statistics & Modeling:** Hypothesis Testing, A/B Testing, Time Series, Classification Models

**Data Engineering:** ETL Pipelines, Data Quality Checks, Multi-Source Data Integration

**Tools & Collaboration:** Git, GitHub, Jira, Documentation, Cross-Functional Communication

**Certifications:** Data Scientist in Python (DataCamp), Data Analyst Track (DataCamp), Power BI (Microsoft)