

Shivalinga Narayanappa

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PROFILE

Results-driven data analyst with strong analytical and organisational skills, passionate about Data Science with proven experience developing high-accuracy ML models and creating interactive dashboards for key business metrics. In my previous work, I have translated complex banking data into actionable visualizations. My hackathon-winning work in healthcare data prediction demonstrates my collaborative approach to solving real-world problems. Proficient in Python, SQL, advanced Tableau skills and working knowledge of Power BI, with expertise in statistical modelling and data visualization. I combine technical capabilities with strong communication abilities, enabling me to translate complex findings into clear, actionable insights for stakeholders at all levels. Seeking to leverage my analytical mindset, problem-solving approach, and passion for data-driven decision making to deliver valuable insights that drive organizational success.

WORK EXPERIENCE

System Engineer | Infosys Ltd | Aug 2022 - Aug 2023

- Worked on Finacle banking system, Infosys's core banking solution, supporting three major updates that improved system speed by 10%
- Built Tableau dashboards tracking key banking KPIs including Net Interest Margin (NIM), Loan-to-Deposit Ratio (LDR), and ROA/ROE metrics
- Developed interactive visualisations to monitor Non-Performing Loan (NPL) ratios with branch-wise analysis
- Supported quarterly business reviews by presenting KPI analysis, enabling stakeholders to optimize branch performance

Student Intern | Jaguar Land Rover | Aug 2021 - Sep 2021

- Analysed operational costs across 5 departments using Excel and made 10+ reports to help improve customer service
- Identified cost-saving opportunities through data analysis
- Presented findings to department heads, leading to process improvements

PROJECTS

Sales Performance Analytics Dashboard | Feb 2025 - Present

- Developed interactive Tableau dashboards integrating multiple sales datasets
- Created comprehensive views tracking MTD/QTd/YTD comparisons and ROMI metrics
- Utilized data blending to create story points analysing sales trends across different time periods
- Implemented custom calculations and parameters for tracking performance against periodic targets
- Created drill-down views to analyse sales and ROMI metrics at regional and store levels
- Designed trend-based visualisations highlighting quarterly performance patterns and year-over-year growth

FSTE 100 Time series Stock prediction | July 2024 - Present

- Improved prediction accuracy by 20% through feature engineering Built ML models (using LSTM, SARIMA and LSTM + Random Forest) that were 97% accurate
- Worked with real stock market data spanning two years
- Added useful market indicators (MACD, RSI) to improve predictions by 20%
- Generated actionable insights using interactive Power BI visualisations

Credit Card Fraud Detection System | Dec 2023 - Mar 2024

- Developed ML model achieving 98% accuracy, 96% precision, 95% recall with AUC-ROC of 0.96
- Enhanced model efficiency reducing false positives by 45% while maintaining high F1-score of 0.97

TECHNICAL SKILLS

Data Analysis - Python (2 years), SQL (2 years), Pandas, NumPy

Visualization - Tableau, Power BI (20+ interactive dashboards), Advanced Excel

Business Intelligence - KPI Dashboards, Time Series Analysis, Statistical Modelling

Database & Tools - MySQL, Git, Azure, Jupyter, VSCode, AWS

KEY ACHIEVEMENTS

- Built and maintained multiple business intelligence dashboards tracking key banking metrics
- Handled large datasets (10,000+ records) for financial analysis and reporting
- Implemented automated reporting solutions reducing manual effort by 10%

EDUCATION

University of Liverpool | Sep 2023 - Dec 2024

MSc Data Science and Artificial Intelligence, Merit

Visvesvaraya Technological University (VTU) | Aug 2018 - Jul 2022

B.E. Mechanical Engineering, First Class Honours

CERTIFICATIONS

- Tableau A-Z: Hands-On Tableau Training for Data Science (Udemy)
- Financial Forecasting with Analytics Essential Training (NASBA)
- Excel with Copilot: AI-Driven Data Analysis (LinkedIn)
- Power BI Essential Training (NASBA)

HACKATHONS, IDEATHONS & TECHNICAL EVENTS

LCR Civic Data Cooperative Hackathon Winner (1st Place) | Dec 2024

- Collaborated with 4-member team to develop healthcare data solution, improving community access prediction through dashboards and machine learning models

Ideation Winner (1st Place) | ISTE India | May 2021

- Developed AI-powered Bluetooth contact tracing system for universities, detecting crowd density and maintaining social distancing with 92% accuracy

Best Technical Presentation | VTU Symposium | Nov 2020

- Won best presenter for Smart Agriculture Project using Arduino Uno and moisture sensors for automated irrigation

Global Hackathon Finalist | Hack with CW | May 2020

- Created driver safety system using bio-impedance and ML for alcohol detection, finalist among 100+ teams