

EDUCATION

Pace University, Seidenberg School of Computer Science
Master of Science in Data Science | GPA: 3.70

NEW YORK, NY
May 2024

University of Mumbai
Bachelor of Engineering in Electronics Engineering | GPA: 3.00

MUMBAI, INDIA
May 2022

RELEVANT COURSEWORK

Data Mining | Machine Learning | Intro to Data Science | Mathematical Foundation of Analytics | Python for Data Science | Database Management and SQL | Scalable Database | Deep Learning | Algorithms | Analytical Capstone Project.

TECHNICAL SKILLS

- Programming Languages: Python (Intermediate), SQL, R (Basic),
- Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI
- Database Management & Querying: MySQL, PostgreSQL, MongoDB, Microsoft SQL Server
- Statistical Analysis: Hypothesis Testing, Regression Analysis (Linear, Logistic), Time Series Analysis, ANOVA, Bayesian Methods
- ML and Deep Learning: sci-kit-learn, TensorFlow, Keras, PyTorch, XGBoost, ARIMA, KNN, CNN, ANN, NLP
- Cloud Technologies: Microsoft Azure (AI Fundamentals, Machine Learning), Amazon Web Services (AWS), (GCP)

WORK EXPERIENCE

Maharashtra Telephone Nigam Limited Thane, India
Data Analyst Intern

MUMBAI, INDIA
June 2019-July 2020

- Engineered an RFM analysis and Scoring Model, resulting in a 5% increase in targeted marketing effectiveness.
- Spearheaded Churn Prediction analysis, leading to a 3% reduction in customer churn rate through proactive retention.
- Leveraged SQL and Python to collect, clean, and analyze large datasets, improving data-driven decision-making.
- Collaborated with the pricing team to design personalized offers based on RFM segmentation

PROJECTS

SkyData Insights: Flight Booking Analysis and Predictive Modeling

March 2024

- Spearheaded complex data cleaning, encoding, and feature engineering to generate high-quality datasets.
- Constructed Random Forest and XGBoost classifiers, evaluating models using classification reports and confusion matrices.
- Applied techniques like SMOTE oversampling to address class imbalance, significantly enhancing model performance.
- Leveraged proficiency in Pandas, Scikit-learn, and XGBoost for advanced data manipulation and modeling, enabling sophisticated analysis.

Sales Forecasting Analysis

Feb 2024

- Conducted sales forecasting analysis for a retail company using time series techniques like ARIMA and exponential smoothing in Python, achieving 90% accuracy and reducing stockouts and inventory costs by 15%.
- Cleaned and preprocessed historical sales data using Pandas and SQL queries.
- Devised visualizations and dashboards in Tableau to communicate forecasts and trends to stakeholders.

Forex Forecasting using Time Series Analysis

December 2023

- Applied multiplicative decomposition to foreign exchange data, focusing on percentage changes for precise insights and comprehensive documentation.
- Implemented FB Prophet and ARIMA for accurate forecasting and tailored recommendations,
- Conducted detailed methodological comparisons between FB Prophet and ARIMA, offering valuable insights for future projects and business strategy decisions.

EXTRA-CURRICULAR

Tata Data Visualization: Business with Effective Insights Job Simulation on Forage

December 2023

- Leveraged Tableau to complete a simulation for Tata Consultancy Services, creating impactful data visualizations, formulating meeting questions for client senior leadership, and designing visuals for data analysis to empower executives in effective decision-making.

Cognizant's Artificial Intelligence Job Simulation on Forage

September 2023

- Performed an AI-focused job simulation for Cognizant's Data Science team, performing exploratory data analysis using Python and Google Colab for Gala Groceries, achieving an MAE of 0.22 (60% accuracy), and communicated findings through PowerPoint.

PwC Switzerland Digital Intelligence Job Simulation on Forage

September 2023

- Analyzed 2019 FAERS data for PwC Switzerland, identified top 10 Tramadol adverse effects, developed Python models, created valuation document, and contributed to client's medical data strategy.

Bank of America Job Simulation on Forage

September 2023

- Identified an ideal acquisition target, conducted SWOT analysis and strategic assessment, constructed DCF model for valuation, completed sensitivity analysis, and created a comprehensive company profile for client decision-making.

CERTIFICATION

- Google Data Analytics Professional Certificate.
- Microsoft Power BI Data Analytics Professional Certificate.
- Publication on 'Sales Forecasting for Telecom Vertical Using ARIMA in R' with an impact factor of 7.57/10 at IJERT Publication.