GAURI JAYDEEP PATOLE

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EDUCATION

1. **Northeastern University, Boston, MA | Master's in Information Systems | GPA: 3.5 | May 2024**
• Data Warehousing and Business Intelligence • Advance Data Science/Architecture
2. **Mithibai College, Mumbai, Maharashtra | Master's in Mathematics | Jan 2022**
• Graph Theory • Linear Programming and Optimization • Numerical Analysis

TECHNICAL SKILLS

1. Languages: •Python • R • SQL • Java
2. Data Science Tech: •Machine Learning • Deep Learning •Natural Language Processing
•Hierarchical Bayesian Model •Data Analysis •Visualization
3. Libraries: •TensorFlow •SciPy •Keras •NLTK •Pandas •NumPy •Poltly •PyTorch
4. Databases: •MySQL •PostgreSQL •Azure SQL •MongoDB
5. Frameworks: •Git
6. Data Warehousing: •Alteryx •Talend
7. Visualization Tools: •Tableau •Power BI

PROFESSIONAL EXPERIENCE

1. **Sunny Enterprises, Mumbai, Maharashtra | Data Analyst | Sep 2021 – July 2022**
• Communicated critical data analysis and insights to non-technical stakeholders using Microsoft PowerPoint and Power BI dashboards
• Collaborated with marketing to emphasize email and social media advertising, using predictive modelling and strategizing, leading to a 35% increase in revenue
• Data quality improvement efforts, resulting in a 25% decrease in discrepancies over 6 months
• Analyzed engineering data, track change orders and scope deviation to reduce project cost by 10%

Projects

1. **IOWA Data Analysis | Data Warehousing and Business Intelligence | April 2023**
• This project aims to uncover valuable trends and patterns within Iowa's liquor sales data, providing actionable insights for decision-makers implementing ETL pipelines to manage and transform Iowa's liquor sales data spanning from 2012 to 2022. It involves data profiling, loading data into staging tables using Alteryx and Talend, and creating a comprehensive dimensional data model. Data cleansing tasks are outlined to ensure data quality. The final phase includes querying the integrated schema to answer critical business questions and visualizing insights through Tableau and Power BI.
2. **Heart Failure Prediction | Machine Learning | August 2023**
• Developed and implemented a prediction model using a diverse set of machine learning algorithms, including Decision Tree, Random Forest, and Stacking Classifier. Successfully curated and preprocessed a comprehensive dataset consisting of 11 patient-related features. Demonstrated strong model performance with Random Forest, attaining a train accuracy of 92.52%, test accuracy of 85.814%, and an f1 score of 86.64%.

Additional Experience

1. **Northeastern University, Boston, MA| Residential Security Office Proctor |Aug 2022 – Present**
• Monitoring of the lobby and implementing an access control system across all residence halls
• Verifying residency status, customer service and safeguarding admissions for 47% of students who stay on-campus
2. **Freelance | International Baccalaureate Tutor | July 2019 – Present**
• Math educator for around 30 students, under International Baccalaureate, IGCSE and MYP, SAT