GAURI JAYDEEP PATOLE
Boston, MA • (857)308 6256 • patole.g@northeastern.edu • LinkedIn • GitHub • Portfolio

EDUCATION

➤ **Northeastern University, Boston, MA | Master's in Information Systems**   Sep 2022 - May 2024
•Data Warehousing and Business Intelligence •Advance Data Science/Architecture •Machine Learning & Python in Finance

➤ **Mumbai University, Mumbai, Maharashtra | Master's in Mathematics**   Sep 2017 - Jan 2022
•Graph Theory •Linear Programming and Optimization •Probability and Statistics •Linear Algebra

TECHNICAL SKILLS

➤ Languages: Python, R, SQL, Java, HTML, C++

➤ Tools & Databases: Alteryx, Talend, Tableau, Power BI, Jupyter Notebooks, MySQL, PostgreSQL, Azure SQL, MongoDB

PROFESSIONAL EXPERIENCE

➤ **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.

➤ **Sunny Enterprises, Mumbai, Maharashtra | Data Analyst**   Sep 2020 - July 2022
• Transformed critical data analysis and insights into actionable outcomes for non-technical stakeholders, leveraging Microsoft PowerPoint and Power BI dashboards.
• Pioneered the establishment of Key Performance Indicators (KPIs) across diverse departments, catalyzing data-driven decision-making and fostering a 30% surge in operational efficiency.
• Orchestrated collaborative efforts with the marketing team, implementing predictive modeling and strategic approaches to amplify email and social media advertising impact, resulting in a remarkable 35% increase in revenue.
• Led initiatives for enhancing data quality, achieving a substantial 25% decrease in discrepancies over a 6-month period.
• Applied advanced analytics to engineering data, meticulously tracking change orders and scope deviations, contributing to a notable 10% reduction in project costs.

➤ **Freelance | International Baccalaureate Tutor**   July 2019 - Present
• Guided around 100 students through International Baccalaureate, IGCSE, MYP, and SAT curricula for mathematical concepts.
• Collaborated with math educators to seamlessly integrate technology into lesson plans, fostering an interactive approach.
• Responded promptly to inquiries, providing comprehensive guidance on math content for both professors and students, contributing to a supportive academic community.

PROJECTS

➤ **Heart Failure Prediction and Analytics |Machine Learning**   May 2023 - Aug 2023
• Led team in employing 9 ML algorithms for precise heart condition prediction, enhancing healthcare and diagnoses.
• Applied rigorous hyper-parameter tuning to promote generalization, mitigate overfitting, and bolster model accuracy.
• Leveraged ensemble learning's Stacked algorithm to create a potent predictive model.
• Random Forest emerged as the leading performer, showcasing exceptional result of 85.81%, while the Stacking Classifier closely trailed to 84.42%, reinforcing the efficacy of the ensemble approach.

➤ **NYC Motor Vehicle Collision Analysis| SQL & ETL Pipelines**   Jan 2022 - April 2023
• Analyzing a sizable containing 2.05 million rows of observations across 29 attributes for NYC motor vehicle collision.
• Leveraged SQL to query the integration schema in Databases like MySQL, Postgres, Azure facilitating the extraction of valuable insights from the data and answering business questions.
• Implemented integration data pipelines using Alteryx and Talend resulting in a 30% reduction in data loading time, transformation into staging tables in Azure.
• Executed data cleansing tasks to ensure high data quality, contributing to accurate insights for decision-makers.
• Developed a comprehensive dimensional data model, enabling seamless querying with SQL, and utilized Tableau and Power BI for impactful data visualization to support strategic decision-making.
• Documented the ER data model with ER Studio for effective understanding of the relational database structure.

➤ **Meet and Greet | SQL & Oracle**   Sep 2022 - Dec 2022
• Leveraged Oracle to create individual users, views, triggers, and procedures, facilitating seamless connectivity between event organizers and audiences, aligning with data integration practices.
• Spearheaded the development of project, significantly enhancing operational efficiency and communication for event coordination by Introducing various functionalities to streamline processes, contributing to improved overall project outcomes.

CERTIFICATIONS

➤ **AWS Certified Solutions Architect – Associate**   Oct 2023 - Oct 2026
➤ **Agile Fundamentals: Including Scrum & Kanban| Udemy**   December 2023