Rishita Patel

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EDUCATION

Indian Institute of Information Technology Bangalore   **2024 – Present**
Master of Science by Research(Data Science)

GSFC University, Vadodara   **2020 – 2024**
Bachelor of Technology in Computer Science and Engineering   *8.68/10*

EXPERIENCE

iTechGrow   **December 2023 – June 2024**
Development Intern   *Rajkot, Gujarat*
- Developed a Sales Analytics and Prediction dashboard with Python, Streamlit, and Prophet, integrating machine learning models for business insights.

Pooja Infotech   **June 2023 – July 2023**
Web Development Intern   *Vadodara, Gujarat*
- Contributed to live client projects with PHP, MySQL, and cPanel, focusing on responsive design and database optimizations.

Nayara Energy Limited   **December 2022 – January 2023**
Web Development Intern   *Vadinar, Gujarat*
- Led research and system testing for the Digital Operations Execution System to optimize performance and user experience.

Nayara Energy Limited   **June 2022 – July 2022**
Web Development Intern   *Vadinar, Gujarat*
- Developed the "Refinery Risk Register" web application, creating a real-time risk management system with PHP and MySQL.

PROJECTS

Network Science Analysis of Global Influence
Network Science Project   *Python, NetworkX*
- Analyzed GDELT Global Knowledge Graph to identify influential but lesser-known actors in world affairs using network science concepts including unexpected connectors and centrality measures.
- Developed algorithms to process and analyze large-scale news story corpus for relationship extraction and influence mapping.

Spotify Song Popularity Predictor
Machine Learning Project   *Python, Scikit-learn, Neural Networks*
- Conducted comprehensive exploratory data analysis on Spotify dataset and implemented multiple ML algorithms including Logistic Regression, SVM, Random Forest, and Neural Networks.
- Optimized model parameters through cross-validation and hyperparameter tuning to achieve improved prediction accuracy with comparative analysis.

Hiring Decision Prediction System
Machine Learning Project   *Python, Scikit-learn*
- Developed a machine learning system implementing Logistic Regression, Decision Trees, and Random Forest to predict hiring decisions using historical recruitment data.
- Performed feature engineering and selection to identify key factors influencing hiring decisions, achieving significant improvement in model accuracy.

Sales Analytics Dashboard
Data Science Project   *Python, Streamlit, Prophet*
- Built an interactive dashboard for sales analysis and forecasting using Streamlit and Prophet, implementing time series analysis and predictive modeling.
- Created dynamic filtering capabilities and interactive visualizations for data exploration and business intelligence.

ACHIEVEMENTS / EXTRACURRICULAR

- Volunteer for the 15th Indian Conference on Vision, Graphics, and Image Processing (ICVGIP), hosted by IIIT Bangalore
- PMG Ambassador, Member of President's Meritorious Group (PMG) under President's Initiative for Nurturing Unlimited Potentials of Students (PINUPS) at GSFC University
- Winner of the "Spell of Cipher" Hackathon, collaboratively participated and secured first place in this intensive competition