EDUCATION

Vellore Institute of Technology   Chennai, India

Master of Computer Application; GPA: 8.06   **June 2022 - August 2024**
Barasat Govt. College   Kolkata, India
Bachelor of Science (HONORS) - Mathematics; GPA: 8.70   **June 2018 - August 2021**

SKILLS SUMMARY

- **Languages:**   Python, SQL, JAVA
- **Frameworks:**   Pandas, Numpy, Scikit-Learn, Matplotlib
- **Tools:**   Power BI, Excel, PowerPoint, Tableau, MySQL, SQLite
- **Platforms:**   PyCharm, Jupyter Notebook, Visual Studio Code, Intellij IDEA
- **Soft Skills:**   Rapport Building, Strong Stakeholder management, People Management, Excellent communication

WORK EXPERIENCE

BUSINESS ANALYST INTERN | WS | LINK   **January 24- March 24**
- Streamlined data collection and reporting procedures, reducing processing time by 20% enhancing efficiency.
- Implemented process improvements and automation solutions, resulting in 15% increase in productivity.
- Collaborated with 3+ cross-functional teams to gather requirements, define project scopes, and ensure alignment with business objectives, fostering effective teamwork and project success.
- Produced 15+ comprehensive reports and presentations summarizing findings and recommendations, facilitating clear communication with stakeholders and driving actionable outcomes.
- Conducted in-depth market research and analysis, resulting in the identification of 10+ key trends and insights that informed strategic decision-making processes.

PROJECTS

Student Performance Prediction | LINK   **December 23- February 2024**
- Achieved a 96% accuracy rate in forecasting student academic performance by developing and deploying a machine learning model.
- Managed data integrity by handling missing values and ensuring categorical variables, enhancing quality by 33%.
- Conducted experiments with both classification and regression algorithms to identify the most suitable approach.
- Identified and comprehended key factors influencing academic performance through thorough analysis.

Credit Card Fraud Detection | LINK   **September 23- October 2023**
- Developed and fine-tuned a logistic regression-based machine learning model achieving an 87% accuracy rate in predicting credit card fraud.
- Minimized false positives by 16% through rigorous feature engineering and hyperparameter tuning processes.
- Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- Successfully mitigated fraudulent transactions while optimizing model efficiency by 23% and accuracy by 6%.

Heart Disease Prediction | LINK   **July 23- August 2023**
- Orchestrated the development of a Logit model to predict heart disease, achieving an impressive accuracy rate of 91% and surpassing industry benchmarks.
- Spearheaded the implementation of HIPAA-compliant data encryption protocols across all healthcare solutions, decreasing data breach incidents by 40% and ensuring patient privacy and security.
- Demonstrated commitment to ethical data practices while contributing to the development of data-driven healthcare solutions.
- Enhanced healthcare outcomes by 26% through accurate prediction of heart disease, positively impacting patient well-being.

CERTIFICATES

Programming in Python (Meta) | CERTIFICATE   **March 2023**
- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.