

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 encoding 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.	
Introduction to Data Analyst (IBM) CERTIFICATE	March 2023
◦ Learned about the data ecosystem, including the ETL process and big data basics. ◦ Mastered data gathering, identification, and cleaning for analysis preparation.	
Foundations: Data, Data, Everywhere(Google) CERTIFICATE	March 2023
◦ Developed a comprehensive understanding of the data life cycle and various stages involved in the data analysis. ◦ Introduced to diverse applications designed to streamline and optimize the data analysis journey, enhancing efficiency and accuracy.	