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### **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.