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GitHub: <https://github.com/Jha-2022>

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Education

Vellore Institute of Technology:
Bachelor of technology: 8.0
St. Anslem North City School:
12th C.B.S.E: 88.4%
10th C.B.S.E: 88.2%

Bhopal, India
October 2022 – April 2025
Jaipur, Rajasthan, India

Skills Summary

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

Projects

Student Performance Predictor

- 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

- 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

- 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

Bits and Bytes (google) | [CERTIFICATE](#)

AWS Solution Architect (Ethnus) | [CERTIFICATE](#)

Cloud Computing (NPTEL) | [CERTIFICATE](#)

Data analysis(free Code Camp) | [CERTIFICATE](#)

Python_basic_certificate | [CERTIFICATE](#)

Goldman Sachs Operations Job Simulation(Forage) | [CERTIFICATE](#)

Gen AI for everyone (Fractal) | [CERTIFICATE](#)

Gen AI Using IBM Watson x (IBM) | [CERTIFICATE](#)