

# Shefali Chaugule

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## EDUCATION

### MSc in Computer Science

Minor in Mobile Application Development ,Data Visualisation, Software Quality Management, System administration and Security  
• University of Greenwich • Greenwich, london • 2023

### Bachelor of Computer Science

Minor in OOPM , Data structures,Data warehousing & mining • Mumbai University • Mumbai, India • 2022 • 8.84 CGPA

### Diploma in Computer Engineering

Minor in RDBMS, GUI Programming, Computer Network • Muchhala Polytechnic , Maharashtra State Board of Technical education  
• Maharashtra , India • 2019 • 7.88 CGPA

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## SKILLS

### Technical Skills

- Programming Languages: Python, SQL, Java, C, JavaScript
- Data Analysis Tools: Tableau, Excel, Pandas, NumPy, Matplotlib
- Database Management: Database Design, Database Architecture, Data Modeling
- Machine Learning: Supervised and Unsupervised Learning Techniques, Model Evaluation
- Mobile Development, Object-Oriented Programming

### Soft Skills:

- Problem Solving, Critical Thinking
- Leadership, Collaboration, Teamwork
- Enthusiasm for Data Interpretation
- Adaptability, Attention to Detail

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## EXPERIENCE

### Tesco Stock Control Colleague

tesco October 2022 – Present, London

- Maintain accurate records of stock levels, ensuring adequate supply without overstocking.
- Maintain meticulous records and enter data accurately into inventory management systems. Generate reports to track stock movements and trends.
- Implement FIFO (First In, First Out) method to ensure older stock used first, reducing waste.

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## PROJECTS

### A Boosting Technique for Diabetes Mellitus Classification and Prediction in the Healthcare Industry Based on Machine Learning

University of Greenwich • August 2023 – August 2023

- A Boosting Technique for Diabetes Mellitus Classification and Prediction in the Healthcare Industry Based on Machine Learning
- Utilised Lgbm classifier and xgboost classifier ML models to classify and predict diabetes mellitus with high accuracy (90.27% for LGBM Classifier and 90% for XGBoost Classifier), achieving an AUC of 0.92 and improving overall model F-score to 0.91.
- Reduced misclassification by 5% and improved accuracy to 97%.

### A Machine Learning Framework for Domain Generation Algorithm(DGA)Based Malware Detection

Mumbai University • January 2022 – January 2022

- This software created to determine whether a hosted website relies on a Domain Generation Algorithm (DGA) or not.
- Utilised Natural Language Processing and supervised and unsupervised learning techniques to create a novel machine learning framework for detecting DGA-based malware, significantly outperforming conventional blacklisting methods.
- Developed a feature engineering pipeline to enhance the accuracy of differentiating agreed DGA domains from legitimate domains, resulting in an accuracy rate of 95%.

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## CERTIFICATIONS

### JAVA-Mastering the Fundamentals

Scaler • 2023

