Harsh Mahajan

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EDUCATION

MS Computer Science   Expected - May 2024
University of Utah   Salt Lake City, US
- **Relevant Coursework**: Machine Learning, Visualization for Data Science, Data Mining
- **Teaching Assistant** - Introduction to Data Science

BE Information Technology   May 2020
Savitribai Phule Pune University;   GPA: 9.0 / 10   Pune, India

SKILLS

Languages : Python, Java, C++,JavaScript, HTML/CSS   **Database** : MySQL, MongoDB

Framework : Django, Flask, TestNG, Selenium   **Tools** : Git, Tableau, D3.js

Python libraries : Numpy, Pandas, Matplotlib, Seaborn, scikit-learn

EXPERIENCE

Accenture   Dec. 2020 – Jun. 2022
Application Development Associate   Pune, India
- Developed and maintained automated test scripts yielding a 40% increase in the efficiency of test execution. *(Java, Selenium WebDriver, TestNG, Apache POI)*
- Co-developed Object Repository for Web UI Elements reducing code redundancy and improving test maintenance. *(Page Object Model)*

Netlux Systems Pvt Ltd   Aug. 2019 – Jun. 2020
Software Developer Intern   Pune, India
- Assisted in developing behaviour-based ransomware detection technique that detects 85% of ransomware attacks.
- Designed incremental backup mechanism for disaster recovery.

PERSONAL PROJECTS

Credit Card Defaulter Prediction | *Python, Machine Learning(K-means, XGBoost, Logistic Regression), Flask*
- Developed a flask application that classifies whether a person is likely to default on credit card payments with over 90% accuracy.
- Implemented a "cluster-then-predict" methodology that clusters data and train classification models for each cluster, thus improving the model's accuracy.
- Code - GitHub - Credit-card-defaulters   Live project - Azure - Credit-card-defaulters

Light-weight Machine Learning Library | *Python*
- Developed a light-weight machine learning library from scratch using Python. Implemented various classification as well as regression algorithms such as- Tree-based, Ensemble, SVM, Logistic Regression, Linear Regression, Artificial Neural Network.
- Code - GitHub - Machine Learning Library

Cricket Data Visualization | *JavaScript, D3.js, Web Scraping*
- Scraped data from ESPN Cricinfo website and developed a visualization tool using D3.js for in-depth analysis of each game of cricket.
- Code - GitHub - Cricket data visualization   Live project - Cricket-data-visualization