HARSH HARWANI

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EDUCATION

New York University, Tandon School of Engineering, New York, NY — May 2023
M.S. in Computer Science
Relevant Courses: Cloud Computing, Machine Learning, Design and Analysis of Algorithms and Computer Vision

Mumbai University, Thadomal Shahani Engineering College, Mumbai, IN — June 2021
B.E. in Computer Engineering, GPA: 8.39/10

SKILLS

- Programming Languages: C/C++, Python, R, Java, HTML5/CSS, SQL, JavaScript, Matlab, Swift
- Frameworks: TensorFlow, Keras, OpenCV, scikit-learn, Spark, React
- Databases: MySQL, MongoDB, Firebase

EXPERIENCE

Data Analyst Intern, **Fino Payment Bank,** Mumbai, IN — Dec 2019 – Jan 2020

- Developed a credit-based loan decider system utilizing Logistics Regression on a dataset of 100k customers
- Performed data pre-processing and exploratory data analysis on a four-month dataset of 100k merchants
- Built a K-Means clustering model to segment merchants into 6 classes based on throughput and a KNN model to predict throughputs
- Applied Pareto's principle, ABC analysis, and Python libraries to plot and analyze patterns of top-performing merchants
- Delivered an opportunity of upgrading 500 merchants to a higher class and contacted outlier merchants with sudden drops in throughput to provide valuable feedback

Web Development Intern and Teaching Assistant, **InfoBahn Technologies,** Mumbai, IN — Nov 2018 – Nov 2019

- Built webpages and E-commerce websites using HTML, CSS, PHP, and WordPress
- Responded to support tickets raised by clients facing inconveniences with hosting services
- Managed and taught several workshops on web development using WordPress to 100+ students per workshop and helped in installations, assigning hosting and domains, and teaching concepts such as SEO to participants

PROJECTS

"MediCard: Transforming healthcare in every direction" — May 2021

- Advocated a solution to combat thousands of deaths occurring due to medical negligence such as lack of information on patient's medical history
- In a team of three, created a web application and a physical card for users to access using 16-digit unique code
- Constructed a system to maintain users medical records, provide statistical analysis, disease predictions, and a 97% accurate chatbot
- Utilized SQL databases, web development, machine learning, and artificial intelligence technologies

"Credit Card Fraud Detector" — Jul 2020

- Led a team of 3 students to develop an 82% accurate hybrid model by combining Self Organizing Maps and Artificial Neural Network to detect credit card frauds
- Achieved a higher accuracy and lower computational cost as compared to individual metrics of two algorithms
- Authored a research paper and presented findings in International Research Journal of Engineering and Technology (e-ISSN: 2395-0072)

"Real-Time Face Mask Detector" — Apr 2020

- Created a deep learning model for detecting masks in images and in real-time with an accuracy of 88%
- Leveraged Keras, TensorFlow, and Python to train neural network with two dense layers for classification and tested model with OpenCV