PRASHANT JADIYA

LinkedIn | +1 (551) 260 1306 | pjadiya@stevens.edu | Medium Blog | GitHub | Jersey City, NJ

EDUCATION

Stevens Institute of Technology, NJ, USA — Exp. Dec. 2022
Master of Science in Applied Artificial Intelligence; CGPA: 3.918/4.0
Relevant Coursework: Applied Machine Learning, Applied Modelling and Optimization, Deep Learning

Marwadi Education Foundation's Group of Institutions, Gujarat, India — Aug 2020
Bachelor of Engineering in Information Technology; CGPA: 3.66/4.0

TECHNICAL SKILLS AND COURSES

Languages: Python, Java, C, SQL
ML Toolkit: Keras, Pandas, PyTorch, Matplotlib, Seaborn, Flask, Tableau, MATLAB, Medcalc, Tensorflow
Certificates: Udacity Data Scientist Nanodegree, Stanford's Machine Learning and Google IT Support Professional Specialisation Certificate

EXPERIENCE

Teaching Assistant, Stevens Institute of Technology, USA — Jan 2022 - Present

- Design and grade students' assignments, projects and lead office hours to answer students' questions for graduate level Python courses in Engineering

Machine Learning Intern, LeadingIndia.ai, Noida, India — June -July 2019

- Conducted research in deep learning algorithms such as V-Net, U-Net and leveraged them on Kidney Tumor Segmentation project of KiTS'19 to achieve 78% accuracy with 300GB data
- Published findings in Computers in Biology and Medicine which can be accessed here

PROJECTS

Heart disease detection using Bio-markers — December 2021

- Implemented traditional methodology, CV, SMOTE, and feature selection with Particle Swarm Optimization followed by ETL**;** which introduced an increase of 12% accuracy compared to traditional methodology
- Illustrated Incremental Effect of Features and Inter-variability analysis for real-world datasets which has two doctor's results for same patient

Malicious Website Classification using Machine Learning — May 2020

- Used K-Nearest Neighbors and boosting algorithms (Decision Tree, Random Forest) to classify if website is malicious or not using features such as URL length, number of special characters to achieve an accuracy of 92 percent
- Implemented the model on Keras framework in Python and deployed the model with Flask

Recommendation Engine for IBM Watson Studio Dashboard — July 2020

- Used rank-based and collaborative filtering methods to find personalized recommendations to recommend blogs to users of IBM Watson Dashboard
- Implemented Matrix factorisation, SVD, FunkSVD to achieve 65% accuracy confirmed using A/B testing

Offer Optimisation with Machine Learning — May 2020

- Illustrated using Starbucks' offer dataset**;** Processed the dataset from json file to perform Exploratory Data Analysis and Visualisation
- Applied six machine learning models using automated pipeline like GridSearchCV for hyperparameter tuning to predict customers' response to the offer 87% accurately

ACTIVITIES

- Working on Master's thesis topic: Adversarial Attacks in Deep Learning (Advisor: Dr. Shucheng Yu)
- Working (Contributing) at AISecLab (Stevens Institute of Technology)
- Contributing blogger at Medium.com under "Data Driven Investor" publication
- Awarded with Devang Mehta IT Awards from Gujarat Technological University