Shivani Junawane

Aspiring Machine Learning Engineer (Specializing)

3 years of experience in working with Opensource softwares and direct interactions with clients from IBM and RedHat, handling individual tasks and developing tools in python. I am looking for transition to the Machine Learning Intern Role with interest in analyzing data, building and deploying machine learning models and exploring in the Deep Learning domain.

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EDUCATION

Masters of Science in Computer Science
University of Central Florida, United States | 2021-2023

Bachelors - Computer Engineering
Pune University, India | 201-2018 | 77% | GPA ~3.85
- Major Project: Driver Drowsiness/Fatigue Detection System

COURSEWORK

Machine Learning (MS), Computer Vision (MS), Design and Analysis of Algorithms (BS)

TECHNICAL SKILLS

Programming Languages: Python | C/C++ | HTML | Shell

Database: MySQL

ML Algorithms: Supervised and Unsupervised

Deep Learning Algorithms: CNN

Libraries: Pandas | NumPy | Matplotlib | Seaborn | Scikit-learn | Pytorch

Web Framework: Flask

Cloud Deployment: Heroku

Cloud Service: IBM Cloud (basic)

Cloud Platforms/Technologies: Docker, Kubernetes, OpenShift, Jenkins, Travis

OS: Ubuntu, RHEL, Windows

CERTIFICATIONS

Convolutional Neural Networks by deeplearning.ai

Neural Networks and Deep Learning by deeplearning.ai

Machine Learning with Python by IBM

Python for Data Science by IBM

Docker Essentials: A Developer Introduction by IBM

YOUTUBE VIDEOS

Creating your own spell checker using Trie

Real world applications of stacks and queues

Work Experience

Graduate Teaching Assistant | Aug 2021 – Present
- Managing a class of 1000+ students and conducting office hours for doubt solving sessions.

Senior Software Engineer | Persistent Systems Ltd | July 2018 – July 2021
- Building and testing of **opensource software**, interacting with and contributing to the opensource communities, working on DevOps and Cloud technologies such as **Docker, Kubernetes (OpenShift) and Jenkins.**
- Received **3 bravo individual awards** and recognized as a **Top Talent (top 10%)** among the employees of my grade for 2 consecutive years.

  #### Tools Developed:
  1. **"License Automation"** designed to gather license information of all packages installed inside a docker container which reduced the team's manual effort by 85%.
  2. **"README Automation"** designed to create README files (using information from github repos, dockerhub.com, etc.) for 300+ docker containers and upload them to hub.docker.com using selenium.
  3. **"R-CRAN Automation"** designed to automatically test 14k+ packages in the CRAN repository on the IBM power architecture. Improved the package pass percentage from 80% to 98%**.**

Jr. Web Developer Trainee | Bee Logical Software Solutions | June 16
- Worked on developing website using **WordPress, HTML** and **php** for client Lex-Aquilae which is an organization of advocates and consultants.

Key Projects (https://junawaneshivani.github.io/pages/projects.html)

Project: Driver Drowsiness/Fatigue Detection System
- **Primary Goal:** Detect drowsiness level of a car driver and ring an alarm to regain his attention.
- **Solution:** Used a model trained by ensemble of regression trees to detect facial features, which in turn would detect sleepy drivers by eye-aspect-ratio calculation. We designed a low-cost device that would ring an alarm once the driver is detected sleepy.
- **Tech Stack:** Python, OpenCV, Computer Vision, Machine Learning, Raspberry PI

Project: Linear Regression
- **Primary Goal:** Implement Liner Regression from scratch and use the algorithm on a sample dataset.
- **Solution:** Used a sample "Hours spent studying vs Marks scored" dataset to evaluate the model.
- **Tech Stack:** Python, Data Visualization, Machine Learning

Extra-curricular Activities
- Won **2nd prize** in National Level Programming Competition for girls organized by **ACM-W India** called Lady Ada, wherein I **competed with thousands of women coders across India**.
- Completed **NPTEL C++ certification** with **95% score and ELITE + GOLD** certificate and secured a rank in top 1% of students who appeared for the test.
- **Captained** the **Women's cricket team** of Persistent Systems Ltd for a year.