

Shivani Junawane

4266 Spoleto Circle, Apt No:206, Oviedo, Florida 32765 | junawanes Shivani@knights.ucf.edu | +1(407) 733-5867

[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

CAREER OBJECTIVE

3 years of experience in working with Opensource software's and direct interactions with clients from IBM and RedHat, handling individual tasks and developing tools in python. I am looking for a **Summer Software Developer Intern/ Machine Learning Intern Role (2022)** with interest in building and deploying machine learning and deep learning models, specifically interested in **Computer Vision** domain.

EDUCATION

University of Central Florida	August 2021–May 2023
Master's in Computer Science (Computer Vision Track)	[GPA – 4.0]
Savitribai Phule Pune University (former University of Pune), India	August 2014–June 2018
Bachelor of Engineering in Computer Engineering	[AGGR – 77% (Distinction)]
Coursework: Machine Learning (MS), Computer Vision (MS), Design and Analysis of Algorithms (BS), Advanced Computer Architecture (MS)	

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, HTML, Shell
- **Technical skills:** MySQL, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Pytorch, Git, OpenCV, System Design
- **Cloud Platforms/Technologies:** Docker, Kubernetes, OpenShift, Jenkins, Travis, IBM Cloud (basic)
- **OS:** Ubuntu, RHEL, Linux/Unix, Windows
- **Areas of Interests/Knowledge:** Machine Learning, Computer Vision, Deep Learning, DevOps
- **Certifications:** [Convolutional Neural Networks](#) (deeplearning.ai), [Neural Networks and Deep Learning](#) (deeplearning.ai), [Machine Learning with Python](#) (IBM), [Python for Data Science](#) (IBM), [Docker Essentials: A Developer Introduction](#) (IBM)

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant, University of Central Florida	August 2021 – Present
• Managing a class of 1000+ students and conducting office hours for problem solving sessions.	

Senior Software Engineer, Persistent Systems Ltd	June 2016 – July 2021
• Worked on building and testing of opensource software , interacting with and contributing to the opensource communities.	
• Worked 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:	
• "License Automation" designed to gather license information of all packages installed inside a docker container which reduced the team's manual effort by 85% .	
• "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 .	
• "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 2016 – July 2016
• Worked on developing website using WordPress, HTML and php for client Lex-Aquillae which is an organization of advocates and consultants.	

ACADEMIC PROJECTS

Image Segmentation on CityScapes dataset (Python, Pytorch, CNN, KNN)
• Trained a UNet model to segment 10 different instance levels like car, pedestrians, etc. and achieved an IOU score of 0.52 on train set.

Driver Drowsiness/Fatigue Detection System (Python, OpenCV, Raspberry Pi, Ensemble Learning)

- Built a system to detect drowsiness level of a car driver and ring an alarm to regain his attention by using a pre-trained model (Voila Jones) to detect facial features and eye-aspect-ratio calculation.

Movie Recommendation System (Python, Scikit-Learn, SVM, KNN)

- Worked on the Movie Lens dataset and trained multiple models to compare RMSE and MAE scores of predicted ratings.

Linear Regression, K-Means, Canny Edge Detection from Scratch (Python, CNN, NN, Clustering)

- Implemented algorithms from scratch and evaluate on a sample dataset.

YOUTUBE VIDEOS

[Creating your own spell checker using Trie](#)
[Real world applications of stacks and queues](#)

EXTRA-CURRICULAR

- 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**.
- **Captained** the **Women's cricket team** of Persistent Systems Ltd for a year.

