

Shubham Kulkarni 

Industrial experience Artificial Intelligence actively seeking fulltime opportunities in Machine Learning/Deep Learning or Artificial Intelligence

Current Location: Pune

Total Experience: 2 Year(s) 0 Month(s)

Pref. Location: Bengaluru / Bangalore,Mumbai,Pune

Highest Degree: Master of Science [Computer Engineering]

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: DL,ML, Linear & Logistic Regression, KNN, SVM, Artificial Intelligence, Application Development, Python, C, Pandas, Matplotlib, Seaborn, Plotly, SciKit-Learn, Docker-containers, Tensorflow, Keras, OpenCV, Bash, Jupyter-Notebook, Kafka, Linux, GIT

Verified : Phone Number | Email - id

Last Active: 20-Jan-21

Last Modified: 20-Jan-21

Summary

Experienced developing and deploying end to end video analytics pipelines on the edge and on Server based Hardware
Experienced working with real-world and proving exploratory data analysis with valuable visual insights for business problems

Work Experience

WAVE COMPUTING as Deep Learning Engineer
Oct 2018 to Nov 2019

- Led an important Visual Analytics application demo for potential clients by representing the firm on behalf of the AI applications team
- Worked on end to end Deep Learning-based AI application in visual analytics for the company's strategic customers
- Trained different CNN models for object detection inferencing using python, OpenCV, Keras, and Tensorflow and achieved 6% more accuracy
- Implemented end-to-end object detection inference pipeline by extracting live RTSP stream from IP cameras using OpenCV and Gstreamer pipeline
- Deployed and dockerized different deep learning model based applications on low power edge devices like Jetson Xavier, Jetson Nano, TX2, and Intel NUC to support micro-services taking AI on the edge
- Analyzed trade-offs and benchmarked performance, cost, and power for analytical deep learning models on cross platforms
- Implemented different Deep Learning-based applications according to various use cases like semantic segmentation for self-driving cars and game analysis to differentiate players from the opposite team
- Developed bash scripts to automate the deployment process in a Linux development environment, which reduced the installation time by 80%.

Good Parents Inc as QA Firmware Engineer
Jul 2018 to Oct 2018

- Implemented troubleshooting methods to test firmware the sensor module and its integration for various sensors like PPG, Gyro, Accelerometer in FreeRTOS and C
- Debugged Firmware for ARM-based microcontroller and BLE module for the smooth and efficient operation for a fitness tracker
- Implemented software using Node.js to decode raw Bluetooth packets to a human-readable format for the Bluetooth Application, which saved product testing time by 20%

San Jose State University as Research Assistant
Jan 2018 to Jun 2018

- Worked as a research assistant under the guidance of an ex Intel hardware design team manager and post-graduate Professor on high speed digital design guidelines for PCI, DDR1, DDR2 memory interfaces
- Simulated and verified DDR2 memory interface operating at 800Mb/s

Education

UG: **B.Tech/B.E. (Electronics and Telecommunication)** from **University Of Pune** in **2015**

PG: **Master of Science (Computer Engineering)** from **San Jose State University** in **2018**

Other Qualifications/Certifications/Programs:
Diploma Engineering

IT Skills

Skill Name	Version	Last Used	Experience
Python, pandas, matplotlib, seaborn			
C, C++			
SciKit Learn, Linux, OpenCV-python			
Docker-containers, Jupyter Notebook			
Git, SVN, Gitlab			
Tensorflow, Keras, Gstreamer, Jira			
Wireshark, GNS3, CISCO Packet Tracer			
Linear Regression, Logistic Regression			
KNN, K Means Clustering, Decision Trees,			
Random Forest, SVM			

Languages Known

Language	Proficiency	Read	Write	Speak
English	Expert			
Hindi	Expert			
Marathi	Expert			

Affirmative Action

Category: General

Work Authorization

US Work Status: Have H1 Visa

Physically Challenged: No

Job Type: Permanent

Employment Status: Full time