

HARIHARAN RAMSHANKAR

Software Engineer seeking roles in Software Engineering, Software Development, Application Support, Project Management, Change Management, Artificial Intelligence, Deep Learning, Requirement Gathering, JavaScript, Docker, MySQL, Python, MATLAB, Git, R, C++

Current Designation: Computer Vision Software Engineer 2

Total Experience: 2 Year(s)

Current Company: Traptic Inc

Highest Degree: M.Tech [Electrical]

Current Location: Sunnyvale

Pref. Location: Bengaluru / Bangalore, Chennai, Hyderabad

Functional Area: IT Software - Application Programming / Maintenance

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: Software Engineer, Software Developer, Software Engineering, Software Development, Application Support, Project Management, Change Management, Artificial Intelligence, Deep Learning, Requirement Gathering, JavaScript, Docker, MySQL, Python, MATLAB, Git, R, C++

Verified : Email - id

Last Active: 19-Jan-21

Last Modified: 19-Jan-21

Summary

Result oriented professional with experience in Software Engineering, Software Development, Application Support, Project Management, Change Management, Artificial Intelligence, Deep Learning, Requirement Gathering, JavaScript, Docker, MySQL, Python, MATLAB, Git, R, C++

Work Experience

Traptic Inc as Computer Vision Software Engineer 2

Nov 2018 to Till Date

Building the company's cloud logging, alerting and analytics stacks with ELK and Prometheus+Grafana

* Lead for the custom Tensorflow neural network with strawberry ripeness, difficulty detection and proprietary business logic

* Leading the effort to improve performance and reliability of the perception stack with integrated self healing and alerting capabilities

for year-round operations in challenging California field conditions.

* Optimized FLIR Blackfly camera streaming pipeline for minimum latency imagegrabs

* Built dashboard using Dash and Pandas for live monitoring and analysis of field robot operations

* Vectorized hotpaths and used Intel TBB based task parallelism for faster cycle time

* Implemented a multi-threaded pipeline, enhancing perception throughput and increasing pick rate by 75%

* Maintain Travis CI pipeline and Docker containers for testing and deployment

M.C. Dea - Google as Security Systems Software Engineer

Jun 2018 to Nov 2018

* Exposure to pilot plan development, infrastructure support and production deployment of hardware and software tools

* Designed tool for cross-network IP-ACM configuration at Google's datacenters

* Gallagher, Traka certified Access Control engineer. IPVM certified Security engineer

Education

UG: **B.Tech/B.E. (Instrumentation and Control Engineering)** from **National Institute of Technology, Tiruchirappalli**, in **2016**

PG: **M.Tech (Electrical)** from **North carolina State University, Raleigh, NC, USA** in **2018**

IT Skills

Skill Name	Version	Last Used	Experience
C++; Python; JavaScript; R;			
MATLAB; C#; MySQL, Dash; Pandas;			
OpenCV; ROS; Keras; Tensorflow			
TBB; PCL; Eigen; OpenGL; WebGL;			
Git; Cmake; Docker; Ansible			
Intel Vtune Amplifier; Visual SFM;			
MVE; Visual Studio; Unity; C-Cure 9000			
Deep learning			

Languages Known

Language	Proficiency	Read	Write	Speak
English				

Affirmative Action

Physically Challenged: No

Work Authorization

Job Type: Permanent / Temporary

Employment Status: Full Time, Part Time