

Piyush Papreja

Computer science
graduate student at
ASU

Piyush

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Skills

Programming Languages: Java, Python, Javascript, C, C++
Databases: MYSQL, MongoDB, Redis
Web: Nodejs-Express, Python Flask

Education

Ira A. School of Fulton Engineering, Arizona State University Masters in Computer Science (MCS)

Fall 2016 - PRESENT, Tempe, AZ (Expected to graduate by May 2018)

Coursework Highlights

1. Semantic Web Mining
2. Statistical Machine Learning
3. Adaptive Web
4. Advances in Robotics

Project Highlights

1. Accessible Discussion Boards (*Web + Recommendation Engine*)
2. Dictionary Learning using Discriminative KSVD for face recognition (*Image Processing*)
3. Team Performance Predictor (*Machine Learning*)
4. Multi Robot Learning via Transfer Learning (*Robotics*)

USICT, GGSIPU

B.Tech in Information Technology

Aug 2009 - May 2013, New Delhi, India

Independent Projects

Social Commerce

Sept 2016 - Dec 2016

NodeJS based web-app that uses information from social networking feeds such as calendar events, likes to provide recommendations.

Whats-My-Music

July 2017 - August 2017

NodeJS based web-app to analyze and visualize music preferences using Spotify and LastFM APIs.

Find-Your-Coworkers

MONTH 20XX - MONTH 20XX, LOCATION

Path finding app to locate co-workers' seating locations.

Self-Driven

Udacity Self Driving Nanodegree Program (Term 1)

Computer Vision and Deep Learning

May 2017 - August 2017

Project Highlights

1. Lane Finding. (*Image processing using OpenCV, Regression*)
2. Vehicle Detection (*Machine Learning*)
3. End-to-End learning for self driving cars (*Deep learning, image processing*)
4. German Traffic Sign Classification (*Deep Learning*)

Udacity Self Driving Nanodegree Program (Term 2)

Sensor Fusion and Localization

Sept 2017 - PRESENT

Project Highlights

5. Extended Kalman Filter implementation.
6. Unscented Kalman Filter implementation.
7. Particle Filter implementation.
8. PID controller implementation.

Formal Experience

Lochbridge India / Consultant 1

August 2015 - June 2016, Gurugram, HY, India

Highlights

9. Developed a plugin for Android Emulator for the purpose of testing the applications developed for Car Infotainment Systems
10. Developed Classifieds module for Lochbridge's internal portal site.

Technology Stack

Java, MYSQL, Spring, Hibernate

Newgen Software Technologies Ltd / Software Engineer

August 2013 - July 2015, Noida, UP, India

Highlights

1. Developed Business Process Management based applications for automating clients' entire workflows for processes like Loans, Account Opening etc.
2. Worked on Omniscan, an application that lets users scan all the documents at once, retrieve the text from pages and then initiate requests into the workflow in batches accordingly.
11. Developed a Java Native Interface (JNI) plugin for the workflow.

Technology Stack

Java, Oracle 10g, VB.NET