

Suraj Suresh Madkar

Address: 431 El Camino Real, Santa Clara, CA USA
Email: SMADKAR@SCU.EDU

Phone Number: +1-669-210-3479
LinkedIn: www.linkedin.com/in/suraj-madkar-ab9348121/

LOOKING FOR PART-TIME/FULL-TIME JOBS IN SOFTWARE DEVELOPMENT & DATA SCIENCE

EDUCATION

- Santa Clara University, Santa Clara, CA, USA.
April 2017 – Present
Masters in Computer Science and Engineering
- PES Institute of Technology, Bangalore South Campus.
Graduated June 2014
Bachelor of Engineering – ECE

EXPERIENCE

- Accenture Pvt. Ltd | Bangalore
Associate Software Engineer from Aug 2014 to Nov 2014
Java, HTML, SQL, DBMS, CRM: Siebel application (Platform 8.1)
- EMC Corporation | Bangalore
Associate Project Manager from Jan 2015 to Mar 2017
Techno-Project Manager in Storage and Backup field managing complex projects such as Data Center Moves, Migrations, Delivery of Backup & Recovery prod.

COURSE WORK

- Machine Learning (COEN240)
- Pattern Recognition and Data Mining (COEN281)
- Design and Analysis of Algorithms (COEN279)
- Object Oriented Analysis and Design (COEN275)

- Internet of Things (COEN243)
- Cloud Computing (COEN241)
- Computer Architecture (COEN210)
- Advanced Topics in Computer Science (COEN396A)

CODING

- PYTHON
- MATLAB
- JAVA
- C/C++

PROJECTS

- [Image Style Transfer Using Convolutional Neural Networks](#) *SCU, August 2017*
Developed a Convolutional Neural Network that combine the content of an arbitrary photograph with the appearance of numerous artworks using Gradient Descent.
- [Machine Learning for Cab Demand Supply Gap Analysis](#) *SCU, November 2017*
Implemented a Cab Supply-Demand gap prediction model using KNN, Random Forest and Neural Net algorithms using Sklearn and TensorFlow libraries in Python.
- [Machine Learning for Image Classification](#) *SCU, July 2017*
Developed Convolution Neural Network classifier to classify input images into that of cats and dogs with an accuracy of 89%.
- [Handwriting Recognition using Neural Networks](#) *SCU, September 2017*
Built a Neural Network to recognize handwritten alphabets using Line Segmentation, Character Segmentation and pre-processing for noise removal (Salt and pepper noise & Morphological noise).
- [Smart Mirror using Raspberry Pi](#) *SCU, October 2017*
Built a Smart Mirror prototype using Raspberry Pi that lets you choose the clothes available, including color and sizes; the GUI for the prototype was built using Tkinter library in Python.
- [Battleship Game](#) *SCU, July 2017*
Developed Battleship game in Python language which is two player guessing game applying concepts such as Lists and Dictionaries.
- [Finding Depth and Alpha Matte of a single still image](#) *PESIT, February 2014*
This is a method for extracting a scene depth map and the alpha matte of a foreground object by capturing a scene through RGB color filters installed on the camera lens aperture using Image Processing concepts and MATLAB.
- [Spoken language recognition \(also referred as Language Identification or LID\)](#) *PESIT, March 2014*
Conducted a seminar in which following basic techniques in LID were presented: Parallel Phone Recognition (PPR), Phone-Recognition Language Modeling (PRLM), Parallel-PRLM, Parallel Sub-Word Recognition (PSWR).
- [Robotics and Machine Interfaces at PES Institute of Technology](#) *PESIT, April 2014*
Designed and Implemented Following robots: Line Following Robot, Obstacle Avoidance Robot, Obstacle Follower Robot, Maze Solving Robot.

CERTIFICATIONS

- Certified in Cloud Infrastructure and Services (EMCCIS).
- Certified Associate in Project Management - CAPM®.
- Robotics and Machine Interfaces at PES Institute of Technology.
- Information and Storage Management Certified (EMCISA).

ACCOMPLISHMENTS & EXTRA-CURRICULAR

- Active in organizing college annual fest Maaya '12.
- Taught underprivileged students through an NGO called "Jivan Vidhya Prasthan".
- Topped the college in LIC (Linear Integrated Circuits)