MUSKAN SINGHAL

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EDUCATION

Arizona State University, Tempe, Arizona   *August 2019-Present*
Master of Science, Computer Science
GPA : 3.56/4.0

PES Institute of Technology, Bangalore, India   *August 2014-August 2018*
Bachelor of Engineering, Computer Science and Engineering
Cumulative GPA 8.87/10.0

EXPERIENCE

Associate Software Engineer   *August 2018-April 2019*
Electronics for Imaging, Bangalore, India
- Developed data processing API for updating and removing merchants from Self-Serve Admin Central Product, a cloud-based web application using .NET framework and Entity framework.
- Created API for generating report for various devices and customers as well as removed sticky session dependency.
- Updated login access for the application to include username in addition to email-id.

Intern   *January-May 2018*
Electronics for Imaging, Bangalore, India
- Developed record and playback framework to generate printer's usage-based simulation data when the printer is offline. The framework helped to reduce dependency on printers by 90%.
- Automated the workflow by uploading the events to cloud over web socket connection.
- Documented workflow and installation steps for helping with end to end testing.

Research Intern   June-July 2016
Gas Turbine Research Establishment, Defense Research and Development Organization, Bangalore, India
- Developed an optimizer for fuel control circuitry in the Light Combat Aircraft - Tejas.

PROJECTS

Data Estimation and Classification   *Fall 2019*
Performed parameter estimation on MNIST dataset for handwritten images and classified digits using Naive Bayes Classifier.

Automatic Image Colorization   *Spring 2018*
Developed a model for automatically colorizing grayscale image using deep learning and machine learning. This Model was trained using LSUN dataset.

Spam Mail Classifier   *Fall 2017*
Developed a Spam Mail Classifier using Naive-Bayes and Support Vector algorithms on Enron dataset. Achieved an accuracy of 97%.

RECOGNITION

Prof.C.N.R Rao Merit Scholarship Award   *Fall 2017, Spring 2018*
PES Institute of Technology, 2017
- Received a scholarship for standing in the top 20% of the Computer Science department.

SKILLS

Programming/Scripting Languages: Python, C#, JavaScript, Java, C, PHP, MySQL, HTML, CSS, Angular JS,
Frameworks and Tools: Entity Framework, .Net Framework, TensorFlow, Keras, Jira, Netbeans, JMeter, numpy