Chhaya Choudhary

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Education

M.S. in Computer Science & Systems *Sept 2017 - Dec 2018 (Expected)*
University of Washington, Tacoma, GPA: 4.0/4.0

B.Tech. in Information Technology *July 2007 - May 2011*
Banasthali University, Niwai, India

Skills

Programming & Tools: Java, Python, C, SQL, LaTeX, Git, Machine Learning and Deep Learning libraries, Jupyter, Matplotlib, OpenCV, Google Cloud Platform (GCP), PL/1

Major Academic Projects

Age, Gender and Personality Trait Prediction of Facebook Users *Fall 2017*
- Designed and developed Deep Neural Network to predict age and gender of Facebook users using 9500 profile pictures with 87% accuracy.
- Developed machine learning models to predict personality traits (openness, agreeable, extrovert) of Facebook users using Linguistic Inquiry and Word Count (LIWC) features.

Traffic Sign Recognition Using Deep Learning *Fall 2017*
- Designed and developed a Convolutional Neural Network(CNN) to recognize traffic signs from images with an accuracy of 98.4% using data augmentation techniques.

Movie Recommendation Engine from Scratch *Fall 2017*
- Developed a movie recommendation engine using k-nearest neighbors algorithm.

Empirical Study of Network Flow Algorithms *Fall 2017*
- Implemented Ford-Fulkerson, Scaling Ford-Fulkerson, and Preflow-push algorithms in Java to find maximum flow in a network and performed empirical study with Random, Bipartite and Mesh graphs.

Technical Proficiency Demonstrated: Python, Java 8, Convolutional Neural Networks, Keras, Tensorflow, OpenCV, Scikit-Learn, Numpy, Pandas, Jupyter, Matplotlib, Algorithms, Data Structures

Experience

Tata Consultancy Services | Client: Qantas Airways, Australia *July 2011 - Jan 2016*
Systems Engineer *(Sydney, Australia) Dec 2015 - Dec 2016*
- Designed and developed payment module for Dynamic Currency Conversion to enable customers to pay the air-fare in their desired currency.
- Integrated three new payment modes (POLi, China UnionPay, Alipay) for ticket sales in Asia-Pacific using Java API; enabled customers to book flights without a credit card; increased sale by 20%.

Systems Engineer *(Noida, India) July 2011 - Dec 2015*
- Developed modules using Java to integrate costing and staffing system with a new web-based product(Maintenix) for Qantas engineering. It ensured high application availability and improved airworthiness of aircraft.
- Implemented automated solutions for daily report generation tasks in engineering applications to reduce time and effort expended using Java and SQL, thereby saving 50 Person days/year.

Technical Proficiency Demonstrated: Java, SQL, IBM Mainframe, Python, PL/1

Awards and Honors

Certificate of Recognition, Awarded by Qantas CIO for outstanding contribution to the project for handling multiple finance applications, client engagement, providing high quality and defect-free deliveries. *April 2015*

L & D Champion, Organized and facilitated functional and technical training, certifications, courses and events related to learning and development. *April 2014*