# CHHAYA CHOUDHARY

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## EDUCATION

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

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

## 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 and DataStage; enabled customers to book flights without a credit card; increased sale by 20%.
- **Technical Proficiency Demonstrated:** Java, SQL, Python, PL/SQL, DataStage, DB2

**Systems Engineer**                             ***(Noida, India)*** *July 2011 - Dec 2015*
- Developed modules using Java, Oracle 10g and DataStage 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, DB2, DataStage, Oracle 10g

## SKILLS

**Programming & Tools:** Java, Python, C, DataStage, PL/1, SQL, LaTeX, Git, Machine Learning and Deep Learning libraries, Jupyter, Matplotlib

## 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.
- **Technical Proficiency Demonstrated:** Python, Convolutional Neural Networks, Keras, Tensorflow, Scikit-Learn, Transfer Learning, Numpy, Pandas, Jupyter, Matplotlib

**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:** Java, Git, Algorithms and Data-Structures

**Simulation and Visualization of 5 Sorting Algorithms**                       *Fall 2017*
- Developed a simulation experiment to compare and contrast various sorting algorithms by drawing real-time graphs and interpreting their behaviors on various degree of sortedness.
- **Technical Proficiency Demonstrated:** Python, Git, Matplotlib

## 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*