

# Paras Chhabra

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## EXPERIENCE

### Intuit, Mountain View, US

Apr 2018 – Aug 2020

*Data Science Engineer (Used: Python, TensorFlow, PySpark, AWS, Google Cloud, Jupyter Notebook)*

- Implement a LSTM recurrent neural network to predict normal and abnormal user behavior with 86% accuracy.
- Develop a deep learning model to classify vulnerabilities into categories that improved prioritization and remediation.
- Build data ingestion pipelines in AWS using Kubernetes and Glue frameworks, to import critical high-volume datasets.
- Supervise a research project library to automate production pipeline for machine learning models.
- Design executive dashboards to communicate customer needs and new project opportunities.

### Strava, Pittsburgh, US

Jan 2017 – May 2017

*Machine Learning Student Researcher (Used: Python, TensorFlow, Scikit-Learn, SQL)*

- Analyze geospatial data covering cycling patterns and trends of Strava mobile application users in San Francisco area.
- Perform exploratory and heat map analysis to identify the trend between increasing bike crimes and Strava user activities.

### AVM IT Solutions (Startup), Delhi, India

May 2016 - July 2016

*Data Scientist Intern (Used: Python, PySpark, MongoDB, Amazon AWS)*

- Led a team to catalog data sources, identify gaps in data capture process and build processes to maintain data hygiene.
- Design a prototype of household products recommendation engine using customer transaction data, to increase sales.

### Acompworld Technosoft, Delhi, India

June 2013 - July 2015

*Business Data Analyst (Used: Python, Java, SQL, NumPy, Pandas, Matplotlib)*

- Optimize the sales process through product sales and customer data analysis, it increased 20% of the annual sales.
- Generate ad-hoc reports on purchased products and tracked changes in overall customer base.

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## LEADERSHIP EXPERIENCE

- Plan, propose and align projects goals for interns to senior managers.
- Mentor interns and junior engineers towards Intuit's culture and values, as a part of buddy program.
- Present machine learning research in the field of security at RedCon (Intuit's bi-annual security conference).

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## PROJECTS

### Stack Overflow Python Question-Answer Chatbot (Kaggle Dataset)

Sep 2020 – Present

- Analyze and preprocess the data to understand patterns in questions and answers.
- Build intents to allow chatbot identification of predefined patterns and responses.
- Design a deep learning model to train a chatbot to answer users questions related to python programming.

### Fake News Classification (Kaggle Dataset)

Aug 2018 – Sep 2020

- Perform extensive data analysis, n-gram analysis and topic modeling to find underlying patterns in various news.
- Data cleanse to remove bad symbols, stop words and lemmatization for feature engineering.
- Implement a LSTM neural network and achieved 96% accuracy in classifying fake and real news using news description.
- Conduct chi-squared statistical analysis to identify words impacting the fake and real news in our dataset.

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## SKILLS

**Languages:** Python, SQL, HTML, CSS Javascript, Java

**Database Systems:** AWS Redshift, Oracle, MongoDB, Redis, Cassandra

**Python Libraries:** TensorFlow, Keras, Scikit Learn, SciPy, Matplotlib, BeautifulSoup, NLTK, Pandas

**Tools and Frameworks:** Tableau 10.1, GitHub, Hadoop

**Cloud Technologies:** Amazon Web Services, Google Cloud Platform

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## EDUCATION

### Udacity, Mountain View

Dec 2017

*Deep Learning Nanodegree Program*

### Carnegie Mellon University, Pittsburgh

May 2017

*Master of Information Systems Management*

*Related Coursework:* Machine Learning, Deep Learning, Database Management Systems, BI and Data Mining with SaS, Python for Developers, Distributed Systems, NoSQL Database Management, Data Warehousing, Design Thinking

### Maharshi Dayanand University, Haryana, India

May 2013

*Bachelor of Technology-Computer Science and Engineering*

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