Paras Chhabra

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EDUCATION

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

WORK EXPERIENCE

Wireclass, Mountain View, US   *Oct 2017 – Present*
Data Scientist (Part-Time) (Used: Python, TensorFlow, PySpark)
- Communicating directly with clients to resolve data questions and presenting findings by analyzing financial and sales data
- Developing a text classifier using convolutional neural network to classify requests into different categories

Carnegie Mellon University, Pittsburgh, US   *Jan 2017 – May 2017*
Graduate Teaching Assistant (Subjects: Python for Developers, Data Focused Python, Financial Computing-3)
- Assisted professor in grading and conducted office hours to help students understand class topics and resolve issues
- Created jupyter notebook tutorials for students on various external python libraries

Acompworld Technosoft, Delhi, India   *May 2016 - July 2016*
Data Scientist Intern (Used: Python, PySpark, MongoDB, Amazon AWS)
- Maximized ROI of different marketing strategies by analyzing customer's purchasing patterns and transaction history
- Designed a prototype of household products recommendation engine using customer transaction data to increase sales

Metzer Opto Solutions, Delhi, India   *June 2013 - July 2015*
Business Data Analyst (Used: Python, Java, SQL, NumPy, Pandas, Matplotlib)
- Optimized the production process by analyzing product sales and customer data which led to 20% reduction in production cost
- Developed new marketing strategies by finding patterns in marketing data which increased the overall profits by 8%
- Generated ad-hoc reports on purchased products and tracked changes in overall customer base

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ACADEMIC PROJECTS

Deep Learning Nanodegree, Udacity *(Used: Python, TensorFlow, Keras, Amazon AWS)*   *Aug 2017 – Dec 2017*
- Built a recurrent neural network to perform sentiment analysis on movie reviews using IMDB dataset
- Developed a convolutional neural network for image classification using CIFAR-10 dataset containing 60000 images
- Implemented a sequence to sequence neural network model to translate sentences from English to French language
- Constructed a generative adversarial network to generate new images of faces using celebrity images

Strava Capstone Project, CMU *(Used: Python, TensorFlow, Scikit-Learn, SQL)*   *Jan 2017 – May 2017*
- Analyzed geospatial data covering cycling patterns and trends of Strava mobile application users in San Francisco area
- Performed exploratory and heat map analysis to analyze trend between increasing bike crimes and Strava user activities
- Designed a survey and provided recommendations for better mapping and identification of bike crimes related to Strava users

Machine Learning, CMU *(Used: Python, NumPy, Pandas)*   *Aug 2016 – Dec 2016*
- Designed a Naive Bayes Classifier to categorize political leaning of bloggers as liberal or conservative
- Implemented supervised Part of Speech tagger for English using Hidden Markov Models
- Modeled a neural network to predict the final scores of students based on past assignments and exam scores

Article Search Engine, CMU *(Used: Python, NumPy, Pandas,* BeautifulSoup, NLTK*)*   *Aug 2016 – Dec 2016*
- Designed an interactive website with integrated keyword-based article retrieval system
- Performed text pre-processing techniques on unstructured data in an inventory file to construct an inverted index

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SKILLS

Languages: Python, Java, SQL
Database Systems: Oracle 11g, MongoDB, Redis, Cassandra
Python Libraries: TensorFlow, Keras, NumPy, Matplotlib, SciPy, BeautifulSoup, NLTK, Pandas
Tools and Frameworks: Tableau 10.1, GitHub, Hadoop