

Anshul Prakash

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EDUCATION

M.S. in Management Information Systems , GPA: 3.9	Texas A&M University	May 2018
B.Tech. in Electronics & Communication Engg. , GPA: 3.8	VNIT, India	July 2006 – May 2010

PROGRAMMING LANGUAGES AND TECHNOLOGIES

Languages: Java, Python, R, Node.js, SQL, Hadoop - MapReduce

Databases: MS SQL Server (SSIS, SSRS, SSAS), MySQL, Oracle, DB2, Firebase

Web Technologies: HTML5, CSS, JavaScript, AJAX, JSON, XML, jQuery

Machine Learning: sklearn, Regression, Classification, Decision Trees, Clustering, PCA, Cross Validation, Neural Networks

Others: Tableau, Spark, Jira, Git, Google Actions, API.AI, Confluence

Certifications & Training:

- Data Scientist Career Track by DataCamp
- Machine Learning Nanodegree(pursuing) by Udacity

EMPLOYMENT

Technology Intern **VML, Kansas City, MO** **June 2017 - August 2017**

- Performed text classification using methods such as logistic regression, decision trees, support vector machines and maximum entropy classifiers; built an API with 2 endpoints using Python to do sentiment analysis for data from social media platforms and tone analysis for customer care conversations.
- Developed a chat bot to provide an interactive experience on Facebook messenger to steer users towards the right product based on requirements and inventory levels, increasing sales by 20-40 per cent.
- Led development of google assistant skill using API.AI, node.js and firebase for Actions on Google contest.

Assistant Manager **State Bank of India, Lucknow, India** **March 2015 - April 2016**

- Ideated development of default prediction model to predict the probability of default in loan accounts
- Analyzed data related to borrowers and defaulters; alleviated NPA levels by 2% for Q2 FY15

Java Developer **Infosys, Pune, India** **June 2010 – August 2012**

- Designed and developed applications using **J2EE** technology for a Fortune 500 Company
- Conceptualized solutions for client's requirements using **AJAX** and **JQuery**; conducted feasibility analysis and presented solutions to client, bringing in project worth 40 million USD
- Optimized databases and took part in re-architecture and redesigning of the database to improve speed of the application; reduced response time for application by 10-16%

PROJECTS

- **Dog Breed Classifier:** Built a pipeline to process real-world, user-supplied images using a **deep learning** model of **convolutional neural network**. Given an image of a dog, algorithm identifies an estimate of the canine's breed.
- **Finding donors for CharityML:** Investigated factors that affect the likelihood of charity donations being made based on real census data. Developed a **naive classifier** to compare testing results to. Selected the best model based on accuracy, a modified F-scoring metric, and algorithm efficiency.
- **Customer Segments:** Reviewed unstructured data to understand patterns and natural categories that data fits into. Made predictions using an **unsupervised learning** model about the natural categories of multiple types in a dataset.
- **Website Blocker:** Designed and implemented a URL blocker using **Python** to block access to specified websites; worked seamlessly on all operating systems including **Windows, Linux** and **Mac**.
- **Bay Area Bike Share Analysis:** Performed data wrangling and exploratory data analysis using **Python** and **Tableau** on bike share data to gain insights on various factors influencing business and customer decision

RELEVANT COURSE WORK

Systems Analysis and Design, Data Warehousing, Advanced DBMS, Data Structures, Analysis of Algorithms, Web Development, Database Systems, Business Information Security

LEADERSHIP

- Educated and encouraged 50+ students to take up and interest in coding through Hour of Code
- Volunteered at an NGO for 2+ years; organized and led various camps for education, poverty, employment etc.