# Aneel R. Anand

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## SKILLS

**Technical Skills:**
- **Languages**: Python, SQL, R
- **Software & Libraries/ Packages**: Pandas, Matplotlib, Seaborn, SciPy, NumPy, SciKit-Learn, Scrapy, Folium, Jupyter/IPython

**Statistical Skills:**
- Exploratory data analysis and data manipulation techniques
- Utilizing machine learning methods (supervised and unsupervised): Regularization with Lasso, Ridge, ElasticNet | Linear/Logistic Regression | kNN, Decision Trees, SVMs, Ensemble/ Bagging/Boosting Models

**Analytical Skills:**
- Demand Forecasting, A/B Testing, MS Excel, MS Access, VBA, Google Analytics

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## WORK AND PROJECT EXPERIENCE

**General Assembly:** Completed the full-time 12 week Data Science Immersive program    **San Francisco, CA**
*Data Science Fellow*    Nov. 2016 - Feb. 2017
- Capstone Project: Leveraging Twitter to draw inferences from the domestic airline sector using exploratory data analysis. Utilized supervised and unsupervised machine learning techniques to create a Customer Improvement Proposal
- Mined and gathered data using large SQL queries to perform various methods of data manipulation and aggregation
- Applied data extraction, transformation, and manipulation methods to generate clean and useable data
- Employing analytic techniques including dimension reduction and feature selection to see through the noise of big data
- Utilizing machine learning algorithms (including regression, classification, and clustering) to generate predictive models

**BusEz Transportation – Ez Tracker:** Improves efficiency for public transportation    **Santa Cruz, CA**
*Product Design, Development, and Commercialization*    Sep. 2014 – Jun. 2015
- Conducted competitive market research to map out the industry-market landscape for the product as well as establish overall competitive, technology, and market strategy of the firm
- Identified and translated customer needs into high-level technical requirements using Quality Function Deployment (QFD)
- Used probabilistic decision analysis to develop an initial aggregate project plan (optimization)
- Performed financial modeling (NPV) and demand forecasting (Winter's, Holt's, simple exponential smoothing) to determine the expected profits and project the number of overall units and components needed
  - Automated financial modeling and forecasting processes through Visual Basic

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## EDUCATION

**General Assembly**    **San Francisco, CA**
*Data Science Immersive*    Nov. 2016 – Feb. 2017

**University of California, Santa Cruz**    **Santa Cruz, CA**
*Bachelor of Science in Technology Information Management*    Sep. 2012  – Jun. 2016
**Relevant Coursework:** Database Management, Business Strategy and Information Systems, Management of Technology, Supply Chain Strategy, Probability and Statistics, Systems Analysis and Design, Micro/Macroeconomics, Econometrics, Data Structures, Multivariable Calculus, Linear Algebra, Differential Equations

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## LEADERSHIP ACTIVITIES

**Ivory Keys SAT Tutoring**    **Fremont, CA**
*Co-Founder*    Nov. 2014 – Present
- Founded and launched local SAT tutoring and college planning services

**Boy Scouts of America**    **Union City, CA**
*Eagle Scout*    Apr. 2000 – May 2012
Eagle Project: Beautification of Casa Verde Park in Union City