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MITESH GADGIL

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Objective

Seeking a **full-time** position where software skills can be utilized for **data analysis & modelling**

Education

UC San Diego Masters in ECE (Major: Intelligent Systems)	San Diego, CA	Expected March '16 GPA: 3.58/4.0
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BITS Pilani Bachelor of Engineering (Hons.) in Electrical & Electronics	Goa, India	June '15 GPA: 8.82/10.0
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Skills

Programming and Tools: Python, R, Apache Spark, SQL, MATLAB, C, Tableau

Modelling Techniques: Regression, Classification, Clustering, Ensembling, Boosting, Stacking and Blending

Relevant Coursework

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| • Exploratory Data Analysis & Inference using R | • Statistical Learning |
| • Big Data Analytics using Spark | • Information Visualization* (*currently enrolled) |

Work Experience

Graduate Teaching Assistant	University of California, San Diego	June '16 - Present
• Conduct weekly physics labs involving data collection and error analysis in MATLAB for a class of 30 students		
• Communicate complex signal processing concepts to a class of 100 students, in an easy to follow manner		

Software Engineering Intern	Tonbo Imaging Pvt. Ltd., India	Jan – June '15
• Designed experiments and a data collection method to evaluate the performance of 2 temperature sensors		
• Analysed the experimental data using Excel and drafted a data-driven recommendation for the VP Engineering		

Software Engineering Intern	Mapyn Technologies Pvt. Ltd., India	Mar – May '13
• Conceptualized 'smart' safety features for a motorized platform used to lift industrial loads		
• Implemented a linear regression model which predicted weight of the load using current drawn by the motor		

Projects

Loan Granting Binary Classification	August '16
• Built a model to predict whether an applicant will repay or default on a loan based on data about the applicant	
• Formulated the end-to-end modelling process for the data(255,000 rows & 19 features) using IPython notebook	
• Achieved an accuracy of 84.7% using Random Forest model and investigated feature importance from the model	

Analysing Twitter Data using Spark	May '16
• Analysed the 10 most frequently used tokens in tweets of various user groups to infer their opinions and beliefs	
• Wrote a script using PySpark that deployed an Amazon cluster to mine 20 GB of twitter data in under 2 minutes	

Predictive modelling for Insurance Claim Approvals (Kaggle Contest)	March '16
• Trained a model which predicts the probability that an insurance claim can be expedited for approval	
• Performed feature exploration and selection on the anonymized data; trained an XGBoost model in R	
• Achieved 1298 th (Top 45%) place among 2900 participants in my first ever Kaggle contest	