**SUMMARY**: Data scientist with a demonstrated ability to deliver valuable insights via data analytics and advanced data-driven methods.

**EDUCATION**

**Udacity Self-Driving Car Engineer Nanodegree Nov 2017 - Sept 2018**

Masters In Statistics San Jose State University, CA Apr 2015 - May 2017

Master In Computer Application Osmania University, India August 2002

**SKILLS**

JAVA | C++ | R | PYTHON | SAS | MATLAB | OPENCV | COMPUTER VISION | DEEP LEARNING | NLP | MACHINE LEARNING | SQL | ORACLE | MYSQL | ECLIPSE | NETBEANS |WEB SERVICES | LINUX | WINDOW | IOS | GIT | JIRA

**DATASCIENCE CAPSTONE PROJECTS**

**Kaggle – IEEE Fraud Detection Sept 2019**

* Built a classification model using LightGBM to find the fraudulent Vesta's real-world e-commerce transactions.

**Udacity - Finding Road Lane Lines, Radius of Curvature and Relative Vehicle Position Nov 2017**

* Builta lane-finding algorithm using distortion correction, image rectification, color transforms, and gradient thresholding.

**Traffic Sign Classifier Nov 2017**

* Built and trained a deep neural network to classify traffic signs, using Tensor Flow.
* Experimented with different network architectures. Performed image pre-processing and validation to guard against over fitting.

**Data mining of Ames Salmonella Test for Carcinogenicity and Mutagenicity - SJSU Aug 2016**

* **P**erformed the whole KDD process from preprocessing data, cleaning, transforming, data mining using regression and machine learning algorithms including Random Forests, Decision Tree to predict Mutagenicity.

**PROFESSIONAL EXPERIENCE**

**SJSU Research foundation - Volkswagen,** *Data Scientist* **Jan 2015 – Aug 2015**

* Implemented various computer vision algorithms for Scale, Affine and illumination invariance.
* Implemented various machine learning algorithms like support vector machines, Bag of words, HOG for feature extraction and classification.
* Lead the group of fellow students

**NATERA INC San Mateo, CA** *Senior Software Engineer* **Jun 2013 – Oct 2014**

* Lead the Test driven development for the genomic panorama test reports for the external customers such as physicians, saving $200,000 to $350,000 per year on QA.
* Designed and developed various critical projects to support NATERA LIMS Application using J2EE.
* Experience in working with various cross functional team like data scientist, clinical manager and lab technicians.

**SERENA SOFTWARE San Mateo, CA** *Senior Software Engineer* **Aug 2012 – May 2013**

* Refactored the standalone JAVA code to service based architecture using REST, J2EE to support new UI architecture of Serena.
* Worked with higher-level management to bring strategic decisions on new Serena architecture.

**ROBERT BOSCH HEALTHCARE Palo Alto, CA** *Senior Software Engineer* **Jun 2008 – Aug 2012**

* Designed and developed services based Patient Monitoring and management using J2EE and SOAP web services.
* Lead the legacy patient monitoring application return in Objective C.
* Lead and architect the migration of legacy application to J2EE services.

**COGNIZANT-TECHNOLOGY SOLUTIONS, CA,** *Software Engineer* **Mar 2005 – May 2008**

* Developed open source Maven plugins to support E\*TRADE build process.
* Involved in the design, development of business logic of various EBay Selling domain features.
* Responsible for the performance optimization of QuickBooks  projects.
* Received best web developer award for PayPal China launch