San Francisco Bay Area, CA

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EMPLOYMENT

Data Analytics Intern **Altamont Development Center, SJSU (San Jose, CA)** **May 2018 - Present**

- Providing critical insights to university chairs for maximizing students' success rate
- Developing complex and interactive dashboards using OBIEE and Tableau
- Extensively working with PL/SQL packages and procedures for developing ETL jobs
- Collaborating with functional team for developing new star and snowflake data model schemas
- Implemented a classification model for predicting grade of a student in a certain course

Software Engineer – Data **Ingersoll Rand, TCS (Mumbai, India)** **June 2014- July 2017**

- Created end-to-end data workflows for extracting data into data warehouse of size **>500 GB**
- Designed complex and reusable mapplets for common data transformations using informatica
- Automated deletion of log files having **>100MB** of size using shell scripting
- Reduced the Datawarehouse loading process time by **~40%**
- Worked on Amazon Redshift as part of proof of concept

Achievements:

- Selected as "Star of the Month" for valuable contribution to the project during critical period
- Awarded "On the Spot Award" for saving **$120k** per year to the client

EDUCATION

San Jose, CA **San José State University** **May 2019**

- Master of Science, Computer Software Engineering

Vijayawada, India **K L University** **May 2014**

- Bachelor of Technology, Computer Science and Engineering

TECHNICAL SKILLS

- **Programming Languages**: C++, PL/SQL, Python, R
- **ETL Technologies:** Informatica, Oracle Warehouse Builder, OBIEE, Tableau, SAP BO
- **Cloud Technologies**: AWS EC2, AWS ELB, Redshift, RDS, S3, Heroku, Docker
- **Databases**: Oracle, MySQL, MongoDB, Redis
- **Machine Learning**: Numpy, Scikit-Learn, Pandas, Natural Language Processing (NLP)
- **Big Data Technologies**: HDFS, Pig, Hive, Sqoop, Apache Spark
- **Web Technologies & Frameworks**: Javascript, HTML5, CSS, Node.js, REST, Bootstrap
- **Others**: Linus, RabbitMQ, Git, Postman, Kong API, Microservices, Toad, Sql Developer

ACADEMIC PROJECTS

Accident Severity Prediction (Technologies: Python, Flask, Random Forest, XGBoost, HTML5, CSS) **Fall 2018**

- Developed a web application which will predict the severity of an accident given the conditions of road.
- Preprocessed highly imbalanced data efficiently to predict rarer classes.
- Improved the performance and f1-scores by fine tuning the parameters of different algorithms.

DonarChoose.org Application Screening (Technologies: Python, Scikit-learn, Pandas, Numpy, Tableau) **Spring 2018**

- Implemented an application which can predict whether Project should be approved or not
- Worked on pre-processing of text such as vectorization, stop word removal, lemmatization
- Achieved ~**78%** accuracy of algorithms implemented

Health Care Analytics (Technologies: R, Cassandra, Apache Zeppelin, Random Forest, XGBoost, ggplot2) **Sprint 2018**

- Developed model which predicts re-admission of diabetic patients
- Pre-processed the dataset and implemented different machine learning algorithms
- Achieved ~**70%** accuracy of algorithms implemented

Cloud Scale SaaS Application (Technologies: AWS, Mongo, Express, NodeJS, Handlebars, Docker) **Fall 2017**

- Application can support multiple users accessing the same Cart concurrently from different Web Browsers
- Mongo DB was used as database for better consistency in data and partition tolerance.
- Whole application is developed as combination of different microservice modules with one front end.

Pro bono consulting platform for students (Technologies: Atlas Mongo, React JS, Docker, AWS) **Fall 2017**

- Developed a centralized system which will map students who need assistance in any subject
- Entire Web application is dockerized and deployed on AWS EC2 instance.