

## ROHAN VERMA

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## SHIV NADAR UNIVERSITY

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### EDUCATION

#### **B.Tech Computer Science & Engineering**

Shiv Nadar University, India

(7.5/10 GPA)

Expected June, 2018

### PROFESSIONAL EXPERIENCE

#### **Dell Technologies, Finance Control India**

Software Engineering Intern

Jan - May 2018

(Bengaluru, India)

- Developed Golang microservices to ingest gigabytes of data utilizing RabbitMQ and validate and perform actions utilizing a custom built rule engine in Golang to enrich the data collection in MongoDB.
- Built a customer facing dashboard and rule editor using Angular that interfaces with JSON API endpoints, accessed through an Microservice API Gateway, powered by service registry and circuit breakers written in Golang.
- Worked as a Pivot (pair programming) using Pivotal Lab Methodologies and applied BDD Testing alongside CI/CD to improve production deployment times from monthly to weekly timelines for Dell.
- Improved cash flows for Dell by 10% and customer facing invoice accuracy by 75-80%.

#### **Google Summer of Code, The Apache Software Foundation (ASF)**

Software Engineering Intern

May - August 2016

(Open Source Development for Apache Allura)

- Improved the Discussion Tool and UI/UX of *Apache Allura*. Worked on adding new features to the project written in Python.
- Tested code using functional automated testing in Jenkins, and reviewed by the community and pushed to production on *SourceForge.net*
- Awarded membership of the Project Management Committee (PMC) in the Apache Allura project and ASF Committer-ship
- Received a travel grant from the ASF and the Linux Foundation to talk about the project at *Barcamp ApacheCon Europe, Seville*. Helped with the organization of ApacheCon Seville and Apache BigData as a Session Host.

### TECHNICAL SKILLS

[github.com/rhnvrm](https://github.com/rhnvrm)

- **Highly skilled and proficient in:** Python, Golang, Javascript
- **Competent in:** C/C++, Java, Scala, HTML/CSS, SQL
- **Technologies familiar with:** Flask, NodeJS, jQuery, Angular, PostgreSQL, MongoDB, Solidity
- **Data Science toolkit:** Pandas, sklearn, Tensorflow, Keras, TextBlob
- **Software Engineering toolkit:** Vim, Git, Bash, Linux, Docker, Jenkins, Make
- **Machine Learning Engineer Nanodegree:** Udacity.com

### PROJECTS

(more projects at: [rohanverma.net/blog/category/project/](https://rohanverma.net/blog/category/project/))

- **New User Booking Prediction** *ML Nanodegree Capstone Project*  
Built a model using data from the Airbnb New User Bookings dataset and predicted the destination of choice for a new users' first booking using machine learning algorithms.
- **Foodify App** *Github*  
Deployed and built an API using Flask which integrated other well-known APIs for our team working on Android that enables users to take a snap of their food item and apply ML to detect the product, and log the calorific value and suggest recipes based on suggested daily intake.
- **Elliptical vs Sprial Galaxy Image Classifier** *Github*  
Applied transfer learning using Tensorflow on a pretrained model to train on a self-collected data set containing two classes of galaxy image types and predict the class of a new image fed to the model
- **Tweet Sentiment Label Generator Tool** *Github*  
Implemented a tool using Flask to stream tweets and get the predicted sentiment about the tweet using TextBlob (Natural Language Processing) library and allow users to search and label tweets, visualize the results and export to CSV for further use as a labeled dataset for training supervised learning algorithms.