# M V D SATYA SWAROOP (850) 004-7209

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## EDUCATION

**UT Austin and GLMT,** PGP in Artificial Intelligence & Machine Learning, GPA: 93/100 *Aug* 2019 - July 2020
Courses: Exploratory Data Analysis, Statistics, Linear Regression, Support Machine Vectors, Logistic Regression, K-Means Clustering, Hierarchical Clustering, Neural Networks, CNN's, LSTM, Computer Vision, Gaussian Mixtures, Deep GMM's.

**VNR VJIET** Hyderabad, IN *Bachelor of Technology, Computer Science, GPA: 8.3/10.0*   Jul 2015 – May 2019
Courses: Algorithms and Data Structures, Dbms, Big Data Computing , AI and Data Mining , Linear Algebra, Numerical Analysis, Optimization Techniques.

**ISB** Hyderabad, IN *Technology Entrepreneurship Program,2 year ,GPA: 9/10.0* Jul 2015 – May 2019 Courses: Design Thinking , Strategy and Vision, Economies and Opportunities , Business Model Canvas, Business Value Propositions , Supply Chain Channels and Management , Revenue Model and Advertising.

## SKILLS

Python, C++, Machine Learning Algorithms, Scipy, Scikit Learn,  Matplotlib, Tensorflow, Keras, SQL, C, Git, Django framework, Sequential Models and Deep Learning techniques.

## PROFESSIONAL EXPERIENCE

### IIT Hyderabad Research Intern
Feb 2020 – May 2020

• As a Research Intern I worked on drafting a Literature Survey in the domain of "Unsupervised Scene Understanding". We have worked on implementing "Deep Gaussian Mixtures" for the problem of unsupervised scene understanding. We also implement a Gaussian Mixture model in the context of action localization into different classes.

### Deloitte Hyderabad, IN*, Analyst*
Jan 2019 – Jan 2020

• Oscar is a tool developed in C# , for automating workflow in Oracle ERP security. The tool mainly is developed for Deloitte internal use , as to leverage API calls provided by Oracle Fusion SaaS and automate workflow requests.
• As an Intern at Deloitte worked on Oracle Cloud ERP, by leveraging cloud instances to provide industry security solutions for a fortune 500 company. Also worked on "Sailpoint" technology implemented Privileged Access Management Security and performed Integration testing and User Acceptance testing before deploying the Cloud Instance to production.

## RELEVANT PROJECTS

### Forecasting Time series Data  Hyderabad, IN *UT Austin* Jun 2020 –  Mar 2018

•  This is a Live Project for a US Based Restaurant Chain. Our Client's requirement was to quantify the statistical significance between Manual Temperature Testing and Sensor based Temperature Checking. We used various statistical techniques to check if the series is white noise and if the series is stationary.
•  We used the Data obtained from Sensor Platform Platter and leveraged Traditional time series models such as ARIMA and SARIMA. We also employed the use of Machine Learning Algorithms (Decision Tree Regressor, Linear Regression etc). And deep learning techniques such as LSTM. We achieved a Model Accuracy of 88 percent.

### Emotion Detection Using CNN  Hyderabad, IN VNRVJIET Jan 2019 – April 2019

• We used Convolutional Neural Network  to classify the given voice clip (50 secs each) into 8 different
classes with an accuracy of 79%.
• We classified the Image graph data using our own CNN architecture ( 2 conv layers, 2 relu and 1 softmax layers, 2 dropout layers ), we used gradient descent to optimize the loss function.