Satya Somepalli

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EDUCATION

The University of Texas at Dallas   Aug 2021 - May 2023
M.S., Computer Science   GPA: 4.0/4.0
Indian Institute of Information Technology, Sricity   Aug 2015 - May 2019
B.Tech., Honor's in Computer Science and Engineering   GPA: 8.36/10.0

CERTIFICATIONS & TECHNICAL SKILLS

- Certifications: Google Cloud Certified as a Professional Data Engineer (17 Aug 2020 - 17 Aug 2022) and Associate Cloud Engineer (31 Jul 2019 – 31 Jul 2021).
- Languages and Skills: Python, R, C, SQL, Data Analysis, Machine Learning, Natural Language Processing, Deep Learning, Computer Vision, Google Cloud Platform Services, Big Data.
- Programming Skills: Data Structures, Algorithms, Oops, Design Patterns.
- Web Development and Frameworks: Html, CSS, JavaScript, Bootstrap, Django, Flask, Web2py, Node Js, Rest API.
- Machine Learning Libraries and Frameworks: Keras, NLTK, Pytorch, TensorFlow, OpenCV, NumPy, SciPy, Pandas, Matplotlib, Sklearn, Coral Ai.
- IDES and Tools: Visual Studio, Jupyter Notebook, Sublime, Spyder, Git, Source Tree, Google Colab, MATLAB.

WORK EXPERIENCE

SpringML, Hyderabad, India

Data Engineer/Scientist   Jun 2019 - Jun 2021

- Lead **PeerLogic** project, where we analyzed the text from the customer call and automated the extraction of attributes and predicted the customer satisfaction for the services which were used in the key business decision using google cloud dataflow, composer, app engine and attribute predictions using AI/ML models/API's. We were able to increase medical revenue from $2 million to $3.2 million in a span of 6 months.
- Developed chatbots and translated websites for **City of San Jose Govt** in both Spanish and English languages for reporting abandoned vehicle and hauler services using google cloud dialog flow, Node JS and Twilio.
- Used NLP APIs, developed AutoML Natural Language models to predict the labels and audit attributes of **Think with Google's** blogs.
- Worked as a Data Engineer for **Western Digital** for Detecting Sensor Anomalies using Big Query, SQL and **AZ Fraud Detection** project for Detecting fraud transactions in Arizona State.
- Developed ML Specialization (XGBoost, AdaBoost, Logistic Regression Models) POC to demonstrate the benefits of implementing **ML Projects in Google Cloud Platform** to the Business Audience and a POC to detect labels on tyres for **Michelin Tyres** Project using Google Cloud Vision.

Musigma, Bangalore, India

Data Science Intern   May 2018 - Jul 2018

- Worked as a Trainee Data Science Intern and solved a retail sales forecasting problem by making use of techniques like Statistics, Data Mining, ARIMAX and Machine Learning.

ACADEMIC PROJECTS - Indian Institute of Information Technology, Sri City

Toxic Comment Classification - Honors Project   Mar 2018 - May 2019

- Classification of a comment into one or more classes of toxicity using various ML models like Logistic Regression TF-IDF model, Convolutional Neural Network with Fast Text Crawl and a Bidirectional GRU / LSTM with Attention Layer (accuracy of 98.4%).

Crop Production Prediction

- Goal is to predict the crop production in advance. Implemented many models like LSTM, random forest regression, XGBoost, Multi Linear Regression to find the accurate model to achieve the goal.

Indoor vs Outdoor scene classification   Mar 2018 - Apr 2018

- Objective is to classify a given scene into various types of indoor and outdoor scenes and the goal is achieved using a wide-Resnet model trained on places - 365 datasets using python and Keras.