VENKATA SAI KRISHNA ABBARAJU

Hyderabad, India • venkatasaikrishna_sr@srmuniv.edu.in • (91)9840363361 • profile: linkedin, website

EDUCATION

2015-2019   **SRM Institute of Science and Technology,** Chennai, Tamil Nadu, India

Bachelor of Technology; Computer Science
- GPA: 8.72/10
- Relevant Courses: Artificial Intelligence, Probability and Statistics, Linear Algebra, Advanced Calculus, Programming in Python, Data Structures.

Major Project: Distracted driver image classification, (Led a Team of 4)
- Measures the distraction level of a driver and classifies the type of it based on an image feed.
- The CNN model resulted in classifying 93% of the images correctly over a test set of 1000.

SKILLS

Python, Java, Shell scripting**,** MySQL, Cassandra, GCP- BigQuery, Hive, Spark Core, Spark SQL, Spark Streaming, Sqoop, Hbase, Oozie, Power BI, Superset (presto, druid integration), numpy, pandas, sklearn, matplotlib, seaborn, keras, tensorflow, problem-solving, data modelling, DevOps, retail domain knowledge.

WORK EXPERIENCE AND PROJECTS

2020-Present **Lowe's India,** Bengaluru, Karnataka, India, *Data Engineer*

    Project: Competitive Intelligence, (Team of 3)
- Scraped competitor's websites to store information on items in Snowflake and streamed them to Hadoop to build KPIs that drive a MicroStrategy dashboard.
- Played a vital role in architecting the data-pipelines and automating them which reduced data analyst's workload by around 45% weekly.
- This project helped pricing analysts to understand their competitors and make decisions backed by data to adjust prices of Lowe's items based on competitor's store location and prices.
- Technologies: Python, PySpark-SQL, Streaming API, Hive, Snowflake, MicroStrategy.

2019- 2020   **Lowe's India,** Bengaluru, Karnataka, India, *Associate Data Engineer*

    Project: Promotion Analytics, (Team of 6)
- Responsible for data ingestion, from several transactional data stores, files. Then, transformed the raw data to build metrics useful to measure the effectiveness of promotions.
- This data-driven dashboard helped business leaders and resulted in a revenue uplift of 2%.
- Collaborated with data scientists to cleanse, process data to train an ARIMA model to forecast sales and units sold. The model was 67% accurate on 300k high-priority items at Lowe's.
- Exposed a Node.js API to a React.js based front-end which displays the forecasted values.
- Technologies: Sqoop, Hive, PySpark-Core, SQL, Node.js, React.js, MicroStrategy.

OTHERS

- Certifications**:** Machine Learning, Python, Power BI, Data Science Architecture, Statistics.
- Publication(**Link**)**:** Published a paper in JARDS (Title: "Predicting methodology for driver distraction in IVIS using ANN") and also presented at an international conference organized by OSIET in 2019.
- Awards**:** "SPOT" in Competitive Intelligence project, "Team excellence" in Promo Forecasting.
- Part of college cricket team, supported an orphan centre in terms of education during the pandemic.