

Hemanth Ramireddy

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WORK EXPERIENCE

Data Science Intern

Jun 2023 — Aug 2023

Zumper

- Created a Leads/Impressions Expectation report on **Tableau** for sellers to leverage while pitching various Zumper Products to prospective clients **increasing conversion** from Free to Paid Products by **3.5%**
- Reduced critical **airflow** task failures by **40%** for a crucial data pipeline by implementing a fallback plan when invalid data is inserted in the pipeline by malicious bot agents that trigger events on the platform
- Performed exploratory data analysis and visualization on **Looker Studio** to investigate discrepancies during **Google Analytics** migration from UA to GA4 properties
- Leveraged **dbt** models to migrate data preparations tasks for data science models by loading data directly into **Snowflake** and **AWS S3** from dbt instead of airflow to eliminate redundant computation. This decreased model retraining window by **25%** due to an increase in data refresh rate

Data Analyst/Business Analyst

Aug 2020 — Jul 2022

Uber

- Built **automated dashboards** and reports on **Tableau & Google Data Studio** for the community operations team by leveraging multiple data sources using **SQL** queries and **Python**
- Implemented an automated **data pipeline** from **Google BigQuery** to **Presto** using **PySpark**. Ideated and developed an internal self-service analytics tool in the form of an interactive Chatbot effectively **saving 15% of person hours** in a week
- Designed and programmed an **internal API** using **Flask** and **Selenium** to enable the Operations team to reduce the feedback turnaround time of service agents by **40%** ultimately improving driver and rider experience with an **increase of 30% in CSAT**
- Scaled the new reporting tool to Lines of Business in other APAC regions and incorporated the tool into the stakeholders' **data workflow**. This led to a **10% increase in business** engagement between the analytics COE and the program team

Tata Consultancy Services

Jun 2019 — Jul 2020

Systems Engineer - R&D

- Developed an Autonomous Navigation Robot using **Computer Vision** and **Robot Operating System (ROS)** and presented the PoC to various semiconductor clients. This led to a **1-year engagement** between a Fortune 500 semiconductor company and TCS
- Designed a PoC to demonstrate the capabilities of EdgeX Foundry, an IoT standardization framework for protocol-agnostic device and sensor control and built a **Grafana** dashboard for monitoring streaming data that was stored in **InfluxDB**

PROJECTS

Identify Key Opinion Leaders (KOL) in Bio-Medical Devices Industry

- Extracted and analyzed PubMed data utilizing the PubMed R API to identify key opinion leaders (KOLs) for BD; performed comprehensive analytical and exploratory analysis of publications associated with BD products and relevant keywords, providing insights for **strategic decision-making**
- Spearheaded the creation and deployment of a robust KOL ranking algorithm, leveraging data on publications, citations, and key features; enhanced KOL identification accuracy by **40%**, enabling targeted collaborations and expanding brand influence
- Developed a user-friendly **R Shiny** app that packages the above deliverables into a web application

Google's Mobility Dataset Dashboard

- Developed a web app using the **Streamlit** framework to identify mobility changes in the population and deployed it on **Heroku**
- Incorporated movement trends across multiple geographies up to the county/city level in multiple sectors such as workplaces, groceries and pharmacies etc

EDUCATION

University of California, San Diego

Jul 2022 — Dec 2023

M.S. in Business Analytics

San Diego, CA

- Coursework:** Business Analytics, Customer Analytics, Supply Chain Analytics, Analyzing Big Data with PySpark, Recommender Systems & Web Mining

SKILLS

Certifications

GCP Certified Data Engineer, Data Scientist (DataCamp)

Programming Languages

Python (Advanced), SQL (Advanced), R, Google Apps Script, Java

Databases and Tools

Presto, BigQuery (Advanced), dbt, Fivetran, PostgreSQL, Streamlit, Snowflake, Google Cloud Platform, Tableau, Excel, Power BI, Databricks, Amazon Web Services, Airflow

Libraries and Frameworks

Pandas (Advanced), Numpy, Sklearn, Matplotlib, PySpark (Intermediate), ETL, tidyverse, BeautifulSoup, Flask, ROS, TensorFlow, Keras, Hive, Pig, Kafka, Spark Streaming, Flink

Skills

Experimental Design, Hypothesis Testing, A/B tests, Machine Learning, Probabilistic and Statistical Modeling, Exploratory Data Analysis, Metrics Formulation