

Hemanth Ramireddy

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Website
Github
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Graduate student with a demonstrated history of working as a Data Analyst/Engineer in a large technology company in the Analytics and Reporting team and looking to augment business acumen through a master's degree in Business Analytics. Passionate about incorporating automation into the reporting process and building robust data pipelines.



EDUCATION

- University of California, San Diego** **Jul 2022 — Dec 2023**
San Diego, CA
M.S. in Business Analytics
• **Tentative Coursework:** Business Analytics, Customer Analytics, Supply Chain Analytics, Analyzing Big Data, Recommender Systems & Web Mining, Fraud Analytics, Business Intelligence Analytics
- VNR Vignana Jyothi Institute of Engineering and Technology** **Aug 2015 — Apr 2019**
Hyderabad, India
B.Tech. in Electronics and Communication Engineering
• **Coursework:** Data Structures, Relational Database Management Systems, Probability Theory and Stochastic Processes

WORK EXPERIENCE

- Uber** **Aug 2021 — Jul 2022**
Hyderabad, India
Data Analyst/Engineer
• Extracted important **business metrics** for the operations team by developing Ad-hoc queries leveraging multiple tables with **SQL** and built automated dashboards using **Python** and **Google Sheets/Data Studio**
• Implemented an automated **data pipeline** from **Presto** to **Google Sheets/BigQuery** and conceived/developed an internal reporting tool in the form of an interactive **Chatbot** effectively saving 25% of person hours in a week
• Took initiative and built an internal **API** using **Python** and **Selenium** to fast track the metrics calculated from the Quality team on **Periscope** to the Operations team that reduced the turnaround time (**TAT**) by 40%
• Scaled the new reporting tool to other Lines of Business in multiple regions in **APAC** including North Asia and ANZ and incorporated it into the stakeholders' **data workflow**
- Tata Consultancy Services** **Jun 2019 — Jul 2021**
Hyderabad, India
Systems Engineer - R&D
• Developed an Autonomous Navigation Robot using **ROS** (Robot Operating System), **Computer Vision** and **Machine Learning** in the IoT CoE and presented the PoC to various semiconductor stakeholders
• Designed a PoC to demonstrate the capabilities of EdgeX Foundry which is 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

- Steam Dataset Recommender System** 
• Extracted and cleaned interaction data of users and items from a steam dataset to build and compare multiple **recommendation models** and find the best user/item pairs
• Implemented **Bayesian Personalized Ranking**, **Logistic Regression** and Similarity models and experimented with different thresholds to find the model with the best performance
- Design Intuit's QuickBooks Upsell Campaign**
• Built multiple models including Recency, Frequency and Monetary (**RFM**), **Logistic Regression** and **Neural Networks** to model first wave responses and predict customer response rates for those who did not respond in the first round of email marketing
• The customers were targeted based on the best model performance in terms of the highest expected profit and return on investment
- 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

SKILLS

Programming Languages	Python (Advanced), SQL (Advanced), R, Google Apps Script, Java
Databases and Tools	Presto, BigQuery (Advanced), Streamlit, Snowflake, Google Cloud Platform, Tableau, Databricks
Libraries and Frameworks	Pandas (Advanced), Numpy, Sklearn, Matplotlib, PySpark (Intermediate), BeautifulSoup, Flask, ROS TensorFlow, Keras, Hive, Pig
Skills	Experimental Design, Hypothesis Testing, A/B tests, Probabilistic and Statistical Modeling, Exploratory Data Analysis, Metrics Formulation

APPRECIATIONS/ACHIEVEMENTS

- Received Stakeholder Appreciation for conceptualizing and developing an internal tool at Uber that helped streamline and automate an insights reporting process.
- Recognized for being in the top 3 projects of the business unit in 'Pilot Project' Category in TCS's annual innovation challenge.