POOJA RAMESH

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SUMMARY

Deterministic critical thinker with 1.5+ years of experience in ETL development, Business Intelligence Reporting and Data Science. Strong alignment with customer facing business technology and high degree of capability in taking impactful data driven decisions.

EDUCATION

M.S. in Data Analytics Engineering, *Northeastern University*, *Boston, MA* - GPA 4.0/4.0 *Expected May 2024*
Courses: Machine Learning, Data Warehousing, Management, Data Mining, Computation and Visualization,
B-Tech ECE, *National Institute of Technology (NITT*), *Tiruchirappalli, India* - GPA 3.5/4.0 *May 2021*
Courses: Data Analytics, Information Systems, Database Management Systems

TECHNICAL SKILLS

Languages: SQL, R, Python
Databases: MySQL server, HANA, Oracle, Snowflake, Teradata, PostgreSQL, MongoDB
Tools/Technologies: Tableau, Power BI, PowerApps, Informatica Cloud, Informatica PowerCenter, R Studio, Talend, Visio, GCP, Databricks, IBM Tivoli, MS Excel, MS Project, VEEVA

WORK EXPERIENCE

American Airlines - Data Analytics – Hub and Gateway Operations Strategy Intern, *Boston, MA* *May 2023- July 2023*

- Assisted in **devising** an **ETL process** in **Databricks** to enable **data migration and formatting** into cloud for localized usage.
- Spearheaded the **analytics and reporting** in Boston Logan by designing and analyzing **5+ actionable and interactive dashboards in Tableau**, focused on of customer operations and care, using enterprise warehouse having data with **30+ KPIs (Teradata)** which helped identify operational gaps.
- **Resolved gaps in operations** by analyzing large scale reports, while collaborating with cross-functional teams and stakeholders to automate operations reporting and increasing the **Hub performance by 10%.**
- Received the **Non-stop Thanks award** in American Airlines for technical development on data integrations.

Deloitte Consulting - Business Technology Analyst, *Bengaluru, India* *July 2021 - May 2022*

- Built and monitored **ETL pipelines using Informatica Cloud and PowerCenter** to construct **100+ workflows across 20 data integrations** to forecast modelled data into **Anaplan** as a technical consultant for a Healthcare client.
- Defined **ETL process in snowflake** to **load the data** into **Anaplan using Census** and increased **data load time** by **5%.**
- Designed detailed dashboard mockups **of financial and supply chain data** of the pharmaceutical products in **Tableau** to ensure accurate data transfer into Anaplan before forecasting.
- Steered a **custom python script** to automate **scheduling of data load jobs** from one job scheduling software to another to avoid deprecation which decreased job runtimes by **approximately 6 hours**.
- Provided technical training in SQL, Python and working of the workflows and enterprise softwares to new hires.

Procter and Gamble - Product Supply Intern, *Bhiwadi, India* *May 2020 - July 2020*

- Conducted **competitive benchmarking** and analyzed Gillette's end to end manufacturing processes to focus on new product launches across 15 plants worldwide and improve **overall engineering process by 5%.**
- Analyzed and implemented prototype application to integrate key **technical documentation** from product developers into manufacturing process using tools such as **VEEVA vault and Power Apps**.
- **Eliminated losses close to 20M,** rolled out in 2 months achieving **33% faster time to market**.

ACADEMIC PROJECTS

Graduate Student Academic prediction (Python, Data Mining)

- Conducted exploratory data analysis on over **20 attributes** by harnessing the dataset, utilizing libraries **like pandas and matplotlib.**
- Utilized **six supervised machine learning algorithms** to obtain the highest predictive accuracy, reaching **81%** through the implementation of a **linear regression model.**

Nutrition Dataset Analysis (Rstudio, R, plotly)

- Created and analyzed the databases from the NHANES dataset, comprising data from **10,000+ individual** and leveraged R to uncover impactful associations between nutrients, vitamins, and disease outcomes.
- Developed interactive visualizations using **Rshiny and ggplot,** increasing **data comprehension by 40%** and presenting actionable recommendations that led to a **25% reduction in disease incidence**.

Novel Lightweight Detection for Fovea Detection (Keras, NumPy)

- Predicted location of fovea centralis in the eye based on the **Novel Light-weight CNN** in a dataset of patients with Diabetic Macular Edema.
- Implemented ensemble method and achieved an error percentage **3-4% lower** than previous models explored.