Rohit Paul Gerard Nagarajan

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EDUCATION

Northeastern University, Boston, MA **May 2024**
Master of Science in Information Systems GPA: 3.5
Coursework: Data Management, Data Warehousing and Business Intelligence
Sathyabama Institute of Science and Technology, Chennai, India **July 2019**
Bachelor of Engineering in Electronics and Communication

SKILLS

Programming: SQL, Python
Databases and Data warehouse: MySQL, PostgreSQL, MS SQL Server, Oracle, MongoDB, BigQuery, Snowflake
Libraries and Version Control: Pandas, PySpark, Git, GitHub
Tools and Platforms: Talend, Alteryx, Looker, ER Studio, Tableau, Power BI, Excel, Hadoop, Spark, JIRA
Cloud Services and Frameworks: AWS S3, AWS Athena, AWS Glue, Azure, GCP, Agile, SDLC

WORK EXPERIENCE

Oracle Financial Services Software, Chennai, India **November 2021 – July 2022**
Data Analyst

- Delivered core-banking projects for diverse **clients**, demonstrating skills in **customer experience**, defect and rootcause **analysis**, **testing** and furnishing RAG status **reports**, driving a **33%** increase in project **efficiency**
- Regulated **data quality** checks, troubleshooted **data inconsistencies**, implemented **business process improvements** that saw a **70%** increase in **productivity**
- Streamlined payments, **customer** and account modules for **testing** team by developing **REST API** automation scripts reducing manual processes and **practices** by **80%**

Tata Consulting Services, Chennai, India **September 2019 – November 2021**
Data Analyst

- Analyzed requirements, conducted root-cause analysis and **testing**, produced **data visualization** reports using **tableau** focusing on **performance** metrics driving an efficient **strategy** and **customer satisfaction**
- Eliminated development errors by **60%** through **data quality analysis** in Oracle SQL, monitoring API calls in **Kibana** and reporting **data inconsistencies** to development team
- Led a **data migration** project worth **$1.5M** with a **team** of 4-6, programmed and tested shell scripts migrating data from on-premise to Amazon S3 resulting in a **98%** storage efficiency and customer satisfaction
- Automated manual work in **Selenium**, streamlining funds transfer module, saving **2 hours** of efforts per day
- Reduced high-priority incidents in **JIRA** and **ServiceNow** by **90%** through reporting and triaging **data quality** issues from upstream applications, positively impacting **business strategy** and **customer experience**

PROJECTS

Retail Data Warehousing (SQL, MS SQL Server, ER Studio, Alteryx, Talend, BigQuery, Tableau) **March 2023**

- Executed a data warehousing solution for a retail company, performing source system analysis on **customer data** and their **product** complaints using Alteryx and loaded raw data to staging table in MS SQL Server
- Designed a star schema dimensional data model, generated integration schema and target tables in Google **BigQuery**, and streamlined ETL development using **Talend** for data integration and transformation
- Loaded **0.8M records** of transformed data to **BigQuery**, performed SQL analytics, built a **data visualization** dashboard in Tableau showcasing **customer data** and **business operations**

Data Pipeline for Social Media Analytics (Python, SQL, TextBlob, MongoDB, Snowflake, Power BI) **March 2023**

- Programmed a twitter scraping bot in Python that scrapes unstructured tweets, cleansed raw data using Pandas, NumPy and stored in MongoDB, processed data and conducted sentiment analysis, loaded data to Snowflake and created Power BI reports for insights into user sentiment

Boston Crime Analysis (SQL, PySpark, Hadoop, Spark-shell, Hive, AWS, GCP, Power BI) **February 2023**

- Leveraged big data technologies like Hadoop, Spark and PySpark to process 300K+ Boston crime records, decreased data redundancy and improved data accuracy, and built hive tables for data analysis and insights
- Engineered an AWS data pipeline with S3, Athena and Glue, minimized processing time by 40% and created a Power BI dashboard for crime visibility

Disease Diagnosis and Medic Recommendation System (SQL, Python, Pandas, NumPy, Seaborn) **December 2022**

- Developed a MySQL database leading a team of 4 to recommend medical professionals to patients, achieved high data accuracy and completeness through web-scraping and data analysis with Pandas, NumPy, Seaborn