Thanusha Jagadisha

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PROFESSIONAL EXPERIENCE

University of Connecticut | *Sr Data Analyst*   Sept '22 – May '24

- Headed a team of **6**, utilizing **R, Python**, and **Tableau** to identify critical trends in student and administrative data, subsequently driving a 15% improvement in operational efficiency and significantly enhancing data-driven decision-making.
- Conducted advanced statistical analysis of class attendance data and implemented A/B testing methodologies for new fitness programs using **Python**, resulting in a 15% increase in class participation rates.
- Engineered **logistic regression** & **decision tree models** in **Python**, to forecast membership renewals, reducing dropout rates by 20%.

Reality Interactive | *Graduate Business Data Analyst*   Aug'23 – Dec'23

- Automated large log files into CSV files using **Python** & **SQL** scripts, enhancing data accessibility for efficient analysis & reporting.
- Harnessed **MS Excel** & **statistical methods** to analyze datasets, identifying anomalies & increasing prediction accuracy by 50%.
- Built comprehensive **Power BI** dashboards to track **key performance indicators (KPI)** such as error rates & event occurrences, enabling the prediction of device performance issues & enhancing operational efficiency by 40%.

Accenture | *Application Development Associate*   Aug'21 – Aug'22

- Refined ad-hoc financial reports by developing **Power Automate flows**, reducing manual effort by 25% & improving report accuracy.
- Executed **root cause analysis** on API errors for Manage My Price a digital platform, utilizing **AWS CloudWatch** logs to optimize code reliability, reducing error rates by 40%
- Leveraged **Python** libraries such as **Pandas**, **NumPy**, & **Matplotlib** for efficient financial data wrangling & reporting. Implemented predictive modeling techniques using **Scikit-learn** to generate financial insights, enhancing data-driven decision-making by 20%.
- Developed and updated Tax and Pricing APIs using Node.js in JavaScript and TypeScript, integrated with various **AWS** services including **Lambda, Step Functions, API Gateway, DynamoDB, Elastic Cache, Cloud Watch, S3, SQS, SNS, RDS, and Glue.**

Tata Consultancy Services | *Business Analyst*   Mar'21 – Jul '21

- Aided in the design and development of a unified **Customer Relationship Management (CRM)** platform on **MS Dynamics**, which enhanced the member experience and increased process efficiency by 35%.
- Automated **ETL** process into **Power BI** dashboards, enhancing data accuracy, & reducing manual data processing effort by 30%.
- Facilitated seamless integration of the ACCC's Open Banking platform with a major Australian bank's systems, enhancing **data synchronization and reducing data latency** by **40%**.
- **Collaborated with cross-functional teams** to enhance fraud detection for a major Australian financial institution using Databricks, anomaly detection, clustering, and data visualization, improving fraud prediction accuracy by 25%

ACADEMIC PROJECTS

Crimes in Chicago – Developed **Tableau** dashboards with advanced graphical representations, enhancing crime pattern recognition by 35% and reducing key crime hotspots in Chicago by 22%, focusing on sexual assault and robbery cases.

Temperature & Air Humidity Forecasting - Enhanced HVAC efficiency and reduced energy costs by 15% using **SAS** and ARMA models to improve air quality forecasting accuracy.

Black Friday sales – Analyzed Financial sales data using **SQL, Python, and Excel** to identify customer purchase trends, boosting model accuracy to 86% with Random Forest. Streamlined demographic-based product recommendations, significantly enhancing predictive capabilities and customer targeting through machine learning models.

SKILLS

- **Languages:** Python (numpy, pandas, matplotlib, ggplot, sci-kit-learn, seaborn, nltk), R, MATLAB, JavaScript, Scala, SQL, Node.js
- **Tools:** PostgreSQL, MS Excel (Pivot, Power Query, Power Pivot, VLOOKUP, Macros, VBA), Splunk, GIT, Tableau, Power BI, JMP Pro, Visio, Amazon Quick Sight, Looker, Airflow, Figma, MongoDB, SAP, Teradata Systems
- **Cloud:** Hadoop, Hive, Pig, Amazon Web Services, Snowflake, S3, Lambda, Big Query, CI/CD, Control-M, Docker, Kubernetes
- **Project Management:** MS Project, JIRA, Agile & Scrum Methodologies, Crystal ball, Earned Value Management, Kanban
- **Others:** Data Ingestion, Data Modeling, Data Warehousing, NLP, Data Architecture, Data Mining, Machine Learning
- **Certification:** Jira Fundamentals, AWS Certified Cloud Practitioner, Google Analytics

EDUCATION

Master of Science (M.S) in Business Analytics & Project Management, University of Connecticut School of Business, CT | May'24
Bachelors in Engineering in Computer Science & Engineering, MS Ramaiah Institute of Technology, India | Jul'21

ACHIEVEMENTS and OTHER ACTIVITIES

- Received Star of the Sprint 3 times for outstanding performance.
- Received recognition points 5 times for providing KT sessions to the new joiners and supporting other teams in releases.
- Adult First Aid/CPR/AED by the American Red Cross (Certificate ID: 019AL2S, Valid until 6/23/25)