RIJIN THOMAS

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OBJECTIVE: A curious individual excited to learn and expand the knowledge of Data Science and Analytics to build efficient models and produce products that will increase business efficiencies.

EDUCATION:

Master of Science in Business Analytics and Information Systems **Tampa, FL**
University of South Florida Expected May 2025

Bachelor of Technology in Computer Science and Engineering (CGPA: 8.26/10) **Aurangabad, MH**
Deogiri Institute of Engineering and Management Studies, Aurangabad Aug 2017 - May 2021

TECHNICAL SKILLS:

- **Programming and Scripting:** Python, R, SQL, UNIX.
- **Python Skills:** Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, OpenCV, Flask.
- **Platforms, Tools, and Services:** Power BI, Databricks, Jupyter Notebook, Tableau, Heroku, Docker, Ab Initio, Flutter, AWS Snowflake, MS SQL Server, R Studio, AWS EC2, S3, Git, JIRA, VS Code, MS Word, and MS Excel.

CERTIFICATIONS:

- Microsoft Certified Power BI Data Analyst Associate (PL-300).

EXPERIENCE:

ACCENTURE INDIA, MUMBAI **Application Development Analyst** **Jan 2022 - July 2023**

- Leveraged the advanced capabilities of **Power BI** to create **interactive dashboards** and **reports** that effectively convey complex data insights to stakeholders of **Eversource Energy**. Employed **data collection and analysis** techniques from a variety of sources to identify trends and patterns.
- Exhibited expertise in **data cleaning and preprocessing** techniques to ensure accuracy and consistency of data. Employed advanced **data analysis** tools to identify and correct data inconsistencies.
- Maintained data privacy and security by implementing measures such as data encryption and access control. Demonstrated expertise in data privacy and security best practices.
- Enhanced the efficiency of a "Storm Health Check" process by developing and automating it from scratch using Python libraries. This automation has resulted in a daily time-saving of approximately **10 minutes**.

BITWISE INDIA, PUNE **Project Trainee** **Apr 2021 - Sept 2021**

- Spearheaded the design, development, testing, and maintenance of data warehouses using cutting-edge **ETL** tools such as **AbInitio** and **AWS Snowflake**.
- Displayed expertise in designing and executing data models that are optimized for performance and scalability.
- Managed databases by creating and maintaining database schemas, optimizing database performance, and ensuring data security.
- Communicated effectively and collaborated with stakeholders, including business users, data analysts, and other members of the development team of **Discover Financial Services**. Translated complex technical concepts into clear and concise language.

PROJECTS:

TAMPA BAY E-INSIGHTS REPORT (RESEARCH PROJECT) **October 2023 (In Progress)**

- Quantified the state of work and life in Tampa Bay by developing an insights report using Tableau under the guidance of Professors at USF. The report compares Tampa Bay's state of work and life with 19 other Metropolitan Statistical Areas which are utilized by almost **500 companies** in their decision-making process.
- Cooperated with colleagues in extracting data from the U.S. Govt. websites to establish data reliability.

OPTICAL CHARACTER RECOGNITION **October 2023**

- Designed and enforced an **Optical Character Recognition (OCR)** system that effectively converted handwritten numerical characters into electronic data.
- The system was developed using **Pytesseract** and **OpenCV**; open-source libraries for image processing and character recognition.

CALIFORNIA HOUSING DATA ANALYSIS AND PREDICTION **August 2023**

- Deployed a machine learning model on Heroku to predict the median house value of houses in California based on multiple features. Illustrated expertise in **feature scaling** and **encoding** techniques to ensure accurate predictions.
- Leveraged advanced regression algorithms such as **Multiple**, **Polynomial**, **Lasso**, **Ridge, Decision Trees, and Random Forest** to predict the house value with high accuracy and eventually reduced the Root Mean Squared Error by 40%