ADITHYA PRANEETH PARUPUDI

adityapraneeth@gmail.com | +1 (917) 631- 4785 | LinkedIn | Github

EDUCATION

University Of Massachusetts Amherst | Amherst, MA | GPA: 3.5/4.0   Aug 2022 – Dec 2023
M.S in Data Analytics
Coursework: Data Science in R, Text-As-Data, Machine Learning, Quantitative Analysis, Analysis of Discrete Data, Research Laboratory, Research Design

Jawaharlal Nehru Technological University Hyderabad | Hyderabad, India   Aug 2015 - May 2019
B. Tech in Computer Science and Engineering
Coursework: Introduction to Analytics, Big Data Analytics, Database Management Systems, Probability & Statistics, Data Warehousing and Data Mining, Mathematical Methods

TECHNOLOGIES

Programming Languages	: Python (Pandas, NumPy, Scikit-learn), R, Shell Scripting, SQL
Databases	: MySQL, PostgreSQL, SnowFlake
Business Intelligence Tools	: Tableau, MS Excel, Looker, Google Analytics
Tools	: Git, Google Big Query, SQL Server

CERTIFICATIONS

- Google Data Analytics Professional Certificate (2023)
- Snowflake: Hands-on Essentials (2023)
- Data Analyst in SQL, Datacamp (2023)
- Python Programming (Udemy, 2019)

EXPERIENCE

University of Massachusetts Amherst, Amherst   Dec 2022 - Present
Role: **Analyst**
- Utilize **Google Analytics** to track website traffic and measure the effectiveness of marketing campaigns.
- Built **Looker** dashboards to support data-driven decision-making.
- Created DACSS careers site to showcase 50+ student portfolios using **Quarto, Bootstrap, HTML, CSS**
- Hosted the site on **GitHub Pages** and automated site deployment using **Git**
- Automated resume creation using R's "vitae" package
- Created and circulated python web-scraping code using "beautifulsoup" package

Tech Mahindra, Hyderabad   Dec 2019 – July 2022
Role: **Software Engineer** | Technology: Oracle SOA 12c
- Utilized the **Python**-based **Dash** framework, Flask, Plotly.js to create an interactive web application that displayed real-time ticket status data from ServiceNow, including SLA vs time-elapsed metric for high-priority tickets.
- Maintained a complex dashboard using Python, Shell scripts, and SQL showing health of 200+ integrations in lower environments
- Used **SQL** extensively in my daily operations to monitor 10,000+ transactions from various integrations.
- Collaborated with cross-functional teams to gather and analyze data requirements in a fast-paced environment, and developed data models and data mapping documents to support data integration initiatives.
- Presented actionable insights into the performance of 40+ teams to leadership, empowering them to optimize business processes through data-driven decision-making.
- Ensured code efficiency, reusability by utilizing **Git** for version control, Jenkins for builds, and MYST for integration deployment.
- Improved system throughput by 25% by optimizing SOA infrastructure, including tuning the database, web server, and application server settings, resulting in faster data processing times and improved user experience.
- Trained in Oracle Integration Cloud (OIC) to assist in future platform upgrades.

PROJECTS

- **Student Digital Portfolio (SDP)** – Created a Student Digital Portfolio website for UMASS's DACSS program, featuring 50+ student profiles with advanced filters and resume downloads. Integrated Google Analytics for insights and built Looker dashboards to support data-driven decision-making.
- **Investigating the Etiology of Low Infant Birth Weight**: **An Exploration of Risk Factors** – Used logistic regression and statistical modeling in R, to identify which factors contribute to an infant's low birth weight
- **Twitter Data Analysis** - Developed a data pipeline with Python and Airflow to extract, store, and process Twitter data on Amazon S3 for analysis using SQL and Python's data analysis libraries, providing insights into tweet volume, sentiment, and other metrics, which could aid in understanding public opinion on a given topic or brand.
- **Youtube Trend Analysis** – This project aims to uncover insights about popular videos on YouTube. The data is extracted, transformed and loaded using Python, AWS (S3, Glue, Athena, Lambda, QuickSight), and SQL for analysis.
- **From Surplus to Sustainability** - Analyzed food data from ReFed.org using Python, MS Excel, and Tableau to create visualizations of food production, consumption, and wastage across the US food supply chain. The insights from this analysis were used to identify areas for improvement, promoting supply chain efficiency, sustainability, and consumer education, ultimately working towards a circular economy.

VOLUNTEERING

- Community Volunteer | Isha Foundation (2018 – 2021) – Volunteered in many flagship programs conducted by Isha, thus improving my organizational and communication skills
- Student Volunteer | Swecha.org (2018-2020) – Spread awareness to opt for open-source technologies like Ubuntu, Drupal, Mozilla