Anjana Ruttala

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EDUCATION

University of South Florida **Aug 2022 - May 2024**
Master of Science in Business Analytics and Information Systems *GPA: 3.9/4.00*
Jawaharlal Nehru Technological University **Jun 2014 - Apr 2018**
Bachelor of Technology in Informational Technology *CGPA: 8.2/10.00*

TECHNICAL SKILLS

Programming Languages: SQL, Python – Pandas, NumPy, Scala, Shell Scripting/Bash, Linux/Unix, R, SAS
Technologies: AWS-S3, EC2, EMR, Lambda, Redshift, Azure, GCP, Apache Spark, Kafka, Hadoop, YARN, Git, Agile, Airflow, Snowflake, API, CI/CD, PowerBI, Tableau, Jira
Database Systems: Oracle, Hive, Netezza, Presto, MDL, Redshift, PostgreSQL, MySQL, ETL, BigQuery
Certifications: AWS Certified Developer, SAS Programming, Apache Airflow Fundamentals, Tableau

EXPERIENCE

University of South Florida **Jul 2023 – May 2024**
Graduate Research Assistant and Teaching Assistant (Cybersecurity, Econometrics and SAS) *Tampa, FL*

- Enhanced company valuation models by conducting research on cybersecurity breaches and their impact, driving deeper industry understanding.
- Developed and led leadership training initiatives, securing funding and enhancing interdepartmental collaboration and knowledge sharing.
- Transformed complex programming and econometrics concepts into dynamic study materials and taught SAS, significantly boosting student comprehension and analytical capabilities.
- Authored research papers on the economic implications of cybersecurity threats, contributing to scholarly discussions and enhancing the academic reputation of the department.

Raymond James Financials **Jan 2023 - May 2023**
Data Analyst Intern *Tampa, FL*

- Deployed Python, R, and SQL to perform sophisticated data extraction and modeling, revealing key banking business insights that influenced strategic decisions using clustering and prediction models.
- Designed Tableau dashboards that transformed complex datasets into visual, actionable insights, enhancing decision-making across business units merging with cross-functional teams.
- Constructed predictive models using machine learning and data science techniques that optimized customer behavior predictions, boosting operational efficiency and business performance by 20%.
- Streamlined data processing workflows, reducing time-to-insight by 30%, allowing quicker adaptation to market changes and enhancing competitive advantage.

TCS - Nielsen **Dec 2018 - Aug 2022**
Data Engineer *Chennai, India*

- Architected and implemented AWS data solutions, significantly increasing processing efficiency by 30% and reducing operational costs.
- Reduced data processing time from 12 hours to 3 hours through optimization of legacy systems using PySpark and Scala, ensuring robust, reliable cloud-based operations.
- Developed a standalone code framework for multiple providers, standardizing data integration and reducing the need for unique code, streamlining operations by 45%.
- Led the setup of the data ingestion in Media Data Lake data warehouse using Airflow, enhancing data accessibility and analytical capabilities—first across all teams to achieve this.
- Streamlined data infrastructure with sensor-based data pipeline and data models in Apache Airflow, increasing operational efficiency by 40%.
- Enhanced data quality and governance by designing and implementing automated validation checks with AWS Lambda, ensuring accuracy and reliability which improved data integrity by 35%.
- Collaborated with product managers and the business intelligence team to align data modeling requirements with strategic business objectives, leveraging advanced AWS big data technologies.