Navya Sri Racha

https://www.linkedin.com/in/navyaracha/

Email : navyasri.racha@gmail.com
Mobile : +1-409-999-5599

EDUCATION

Missouri University of Science and Technology — Rolla, MO
Master of Science in Computer Science; GPA: 3.61 — *Aug. 2022 – May. 2024*

Vardhaman College of Engineering — Hyderabad, India
Bachelor of Technology in Electronics and Communication Engineering; GPA: 3.56 (8.91/10.0) Aug. 2015 – July. 2019

EXPERIENCE

Reinsurance Group of America — Chesterfield, MO
Business Analyst and Data Engineer — *Jun 2023 - Apr 2024*

- **Management**: Under direct supervision, assisted with the routine aspects of designing,implementing and supporting big data/ data lake systems, including big data cataloging, modeling, ingestion, streaming.
- **Automation**: Automated bucket transfers in between different S3, reducing manual tasks, boosting productivity.
- **Collaboration**: Engaged with Data Scientists to optimize data models and enhance accessibility
- **Performance Improvement**: Enhanced monitoring, security, and AWS optimization, which reduced costs
- **Data Collection**: Designed the internal survey and collected data on new Data pipeline usage which allowed for creating various tasks to improve it.
- **Technical Leadership**: Mentored teams on CI/CD, AWS practices, and data governance, driving process improvement and compliance. Improved content discovery by building a new onboarding experience on Power BI.
- **Data Analysis**: Leveraged PL/SQL and Azure DevOps for advanced analysis, informing key clinical decisions.
- **Business Analysis**: Led a Tier 1 Agile project to modernize an Oracle build tool to improving usability. Provided training and support on new web UIs and tools, ensuring smooth adoption by clinical teams and maintaining data integrity.

Tata Consultancy Services — Hyderabad, India
System Engineer — *July 2019 - June 2022*

- **Production Support**: Diagnosed and resolved critical 5G software issues to ensure system reliability.
- **Automation**: Developed Python and bash scripts to streamline workflows, automate test cases in Docker, Kubernetes environment, standardized the python and R and enhance data accuracy. Collaborated on data models for advanced clinical analytics and reporting on grafana.
- **Web Application**: Built an internal web app for customers to access data using a web interface for an event.
- **Performance Tuning**: Created live dashboard with previous data using Tableau to identify performance curve and updated software by identifying changes, increasing performance by 30%.
- **Recognition & Leadership**: Awarded "Star of the Quarter" for improving software delivery efficiency by 15%. Led training sessions on AWS best practices and new technologies to enhance team capabilities.

Stumagz — Hyderabad, India
Team Lead — *May 2018 - Dec 2018*

- **Team Leadership**: Directed content strategy, ensuring timely publication on tech and analytics.
- **Communication**: Managed magazine releases, guiding technical and creative writing.

PROJECTS

- **Emotion detection**: Leveraging NLP techniques to predict moods from text using DistilBERT for feature extraction and classification.
- **Random JS website**: Using TS and JS designed a random portfolio website using multiple stacks.
- **Twitter Data pipeline**: A Data engineering project using Airflow, S3, Python to perform ETL on Twitter data.

SKILLS

- **Programming Languages**: Python, Javascript, C++, SQL, Java,Scala
  Technologies: AWS, React, Kafka, GCP, JIRA, Snowflake, DBT, Kubernetes, Power BI, Tableau, Apache Airflow, Azure, TensorFlow, PyTorch
  Course Work: Data Structures, Machine learning, Reinforcement Learning, Database Systems
  Certifications: AWS - Data Engineer Associate, AWS - DevOps Engineer Professional
  Core Competencies: Communication - Secretary of Toastmasters club. Leadership - First President of Women in Engineering chapter.