Navya Sri Racha

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EDUCATION

- **Vardhaman College of Engineering** — Hyderabad, India
  Bachelor of Technology in Electronics and Communication Engineering; GPA: 8.91/10.0 — *Aug. 2015 – Jul. 2019*

- **Missouri University of Science and Technology** — Rolla, MO
  Masters of Science in Computer Science; GPA: 3.59/4.0 — *Aug. 2022 – May. 2024*

SKILLS

- **Programming Languages**: Python, Java, C++, JavaScript,SQL, Typescript, R, groovy, HTML, CSS, React
- **Software's/Other**: JIRA, Snowflake, DBT, Confluence, GCP, AWS, Openstack, Kubernetes, Helm, , Power BI, Tableau, Advanced Excel, Apache Airflow, Pandas
- **Database**: MySQL, Hive, Hbase, MongoDB, Spark, PostgreSQL, Scala
- **DevOps Tools** : Git, Jenkins, Azure, Terraform, DevOps practices, Maven, Ansible, TensorFlow, Pytorch
- **Core Competencies**: Communication - Secretary of Toastmasters club. Leadership - First President of Women in Engineer chapter
- **Soft Skills**: Problem-Solving, Team Collaboration, Adaptability, Analytical Thinking, Quick Learner
- **Course Work**: Data Structure, Machine learning, Reinforcement Learning, Data Science,Natural Language Processing, Mathematics, Distributed Storage, Data Mining

EXPERIENCE

- **Reinsurance Group of America** — Chesterfield, MO
  Data Engineer Intern — *Aug. 2023 – Apr. 2024*
  - **Data Management**: Led the design and development of big data platforms, including data cataloging,modeling, ingestion, streaming, processing, and storage, enhancing data management efficiency
  - **Automation**: Implemented automation processes for data transfer between production and testing environments in AWS, reducing manual efforts.
  - **Collaboration**: Collaborated with IT and business stakeholders to define requirements and optimize data models,improving data accessibility and utility for analytics by 25%.
  - **Performance Improvement**: Developed monitoring processes and recommended improvements, leading to a 20% increase in data performance and security
  - **Cost Optimization**: Implemented cost-saving measures by optimizing AWS resource usage, resulting in a 25% reduction in monthly cloud expenditure. Conducted regular audits and reviews to identify cost-saving opportunities.
  - **Collaboration**: Worked closely with development, QA, and operations teams to align DevOps practices with business objectives. Facilitated cross-functional team collaboration to improve workflow efficiency.
  - **Documentation**: Created comprehensive documentation for CI/CD pipelines, infrastructure setups, and automation scripts. Ensured knowledge transfer and easy onboarding for new team members.

- **Reinsurance Group of America** — Chesterfield, MO
  Business Analyst Intern — *Jun. 2023 – Aug. 2023*
  - **Agile Project**: Contributed to a Tier 1 Agile project focused on modernizing an Oracle build tool to a new web UI, improving usability and reducing operational costs by 15%. Conducted user acceptance testing (UAT) to ensure the new UI met business requirements.
  - **Technology Utilization**: Utilized PL/SQL, Azure DevOps, and Toad for database management, enhancing project efficiency and collaboration. Automated data extraction and reporting processes to improve data accessibility.
  - **Requirements Gathering**: Collaborated with stakeholders to gather and document business requirements, ensuring alignment with project goals. Conducted interviews and workshops to understand user needs.
  - **Process Improvement**: Identified and implemented process improvements to streamline workflows and increase productivity. Reduced data processing times by 20%.

- **Data Analysis**: Performed data analysis to support decision-making processes. Generated insights and recommendations based on data trends and patterns.
- **Risk Management**: Identified potential risks and developed mitigation strategies to ensure project success. Maintained a risk register to track and manage risks.
- **Training and Support**: Provided training and support to end-users on the new web UI and related tools. Developed training materials and conducted training sessions to ensure smooth adoption.

- **Tata Consultancy Services**   Hyderabad, India
  Associate System Engineer   *Jul. 2019 – Jul. 2022*
    - **Production Software Issues**: Diagnosed and fixed production software issues, developed monitoring solutions, and performed software maintenance and configuration.
    - **Automation**: Developed scripts in modern programming languages such as Python and Java for automation and operational efficienc
    - **System Architecture**: Collaborated with cross-functional teams to pioneer the world's first cloud-native ENM in a live network, successfully deploying 5G sites.
    - **Collaboration**: Collaborated with cross-functional teams to develop data models and transformations, supporting advanced analytics and reporting needs. Facilitated communication between data engineers, data scientists, and business analysts.
    - **Technical Leadership**: Provided technical expertise and mentorship, fostering a culture of continuous improvement and best practices within the team. Led training sessions on AWS best practices and new technologies.
    - **Performance Tuning**: Performed performance tuning on databases and applications to enhance system performance. Reduced query execution times by 30%.
    - **Honor**: Earned the "Star of the Quarter" award for boosting software delivery efficiency by 50%

- **Stumagz**   Hyderabad, India
  Lead Content Writers   *May. 2018 – Dec. 2018*
    - **Team Leadership**: Led the "Avengers" content writing team, overseeing the weekly publication of articles on trending topics for the organization's main page.
    - **Magazine Management**: Managed the release of the magazine and cover letters for the student chapter, providing guidance in both technical and creative writing.

CERTIFICATIONS

- **AWS Certified DevOps Engineer - Professional** :   certification link

- **AWS Certified Data Engineer - Associate**: certification link