SAI CHANDAN REGONDA

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EDUCATION

University of Wisconsin Milwaukee,   09/2022 – 12/2023
Master of Science in Computer Science.

Gokaraju Rangaraju Institute of Engineering and Technology.   07/2018 – 05/2022
Bachelor's in technology computer science.

WORK EXPERIENCE.

Dream Ambassadors, Data & Analytics Engineer   02/2021 – Present
- **Collaborated with stakeholders** to gather business requirements, translating them into technical data solutions that improved data-driven decision-making and reporting efficiency by **30%**.
- **Designed and Deployed** high-performance data pipelines to increase data processing efficiency by optimizing workflows and enabling real-time analytics.
- **Constructed and Upheld real-time dashboards** and reports using **Tableau** and **Power BI**, enabling instant visibility into key metrics and resulting in a **15% increase** in operational efficiency.
- **Automated ETL workflows** across **AWS** and **Azure** platforms and maintained high availability with **99.9% uptime** for business-critical data processes.
- **Conducted advanced data analysis** using **SQL**, **Python**, and **R**, deriving actionable insights that improved forecasting accuracy by **10%** and reduced data inconsistencies by **25%**.
- **Optimized data architecture** and database performance, improving query efficiency by **20%** and reducing latency for analytics workloads.
- **Implemented cost-efficient cloud storage solutions** using **AWS S3** and **Azure Blob Storage**, cutting storage expenses by **15%** while ensuring robust data access for reporting needs.
- **Partnered with data scientists** to develop and deploy machine learning models, facilitating real-time analytics and predictive capabilities that enhanced business forecasting.

University of Wisconsin Milwaukee, Desktop Support Technician   06/2023 – 12/2023
- Delivered first-level technical support via phone, email, and chat, resolving 90% of issues on the first call for desktops, laptops, printers, and peripherals.
- Resolved hardware and software issues for over 300 end-users, contributing to a significant improvement in system reliability; the troubleshooting solutions implemented are now utilized by 12 IT support personnel daily.
- Spearheaded hardware and software setup, maintenance, and troubleshooting for over 500 users.
- Analyzed and resolved IT service issues within established SLAs and Achieved a 95% user satisfaction rate.
- Managed and supervised on-premises and cloud-based servers, ensuring high availability and performance.

SKILLS

Programming Languages: C, Python, Java, HTML, CSS, R
Frontend: JavaScript, React, Angular **Backend:** Spring Boot, Django, PHP
Databases: MySQL, SQL **Cloud Platforms:** AWS, Azure, Google Cloud
Visualization: Tableau, Power BI **Tools:** Microsoft 365, Excel, Adobe Photoshop, SSAS, Qlik
Frameworks: Hadoop, TensorFlow, Scikit-learn

PROJECTS

Smart Bot for Handwritten Digit String Recognition
- Developed a Python-based CNN model for real-time handwritten digit string recognition, increasing cheque processing accuracy by 25% and security.
- Initiated audio confirmation, boosting transaction verification efficiency by 30%. Featured in IEEE publications.

Brain Tumor Detection Using CNN
- Designed and optimized a robust CNN architecture using TensorFlow/Keras, achieving 97.5% accuracy.
- Executed comprehensive data augmentation techniques, increasing the quality of training datasets by 50%; this enhancement led to a significant 30% improvement in model accuracy for predictive analytics projects.

CERTIFICATION

AWS Academy Cloud Foundation: AWS
AWS Solutions Architect: AWS
Data Analytics Essentials: Cisco
Programming Essentials in Python: Cisco