MAHIMA KRISHNA REDDY KARNA
Dallas, Texas| 6823734370 | mahimakrishna24@gmail.com

SUMMARY

A detail-oriented Data Analyst with 3+ years' experience in data management, analysis, and reporting, proficient in Python, SQL, machine learning, and R. Proven track record of driving informed decision-making and optimizing business processes. Skilled in data integrity reviews, quality assurance, and crafting visually compelling visualizations, seeking to contribute analytical expertise and problem-solving skills to achieve organizational goals.

EDUCATION

University Of Texas at Arlington **August 2022 – May 2024**
Masters of Science in Data Science GPA: 3.90/4 *Texas, USA*

CVR College of Engineering **July 2017 – May 2021**
Bachelor of Technology in Computer Science GPA: 9.43/10 *Hyderabad, India*

SKILLS

Languages: Python, Java, C, SQL, PHP, Javascript, R
Version Control: GitHub
Libraries, Tools: Keras, YAML, OpenCV, PyTorch, Splunk, Tensorflow, GANlib, Streamlit, NLP, CNN, Deep Learning
Developer Tools: VS Code, AWS QuickSight, Tableau, RDS, Huggingface, PowerBi
Cloud Systems: AWS(S3, RDS, EC2, Lambda, Redshift, Athena, Kubernetes), Azure(Databricks, Datalake, Synapse), SAP
Technologies: Hadoop, Apache Spark, Apache Flink, Apache Kafka, Apache Airflow, Pig, Hive, Docker
Databases: Microsoft SQL Server, MongoDB, MySQL
Operating Systems: Linux, Windows, Mac

CERTIFICATIONS

- AWS Cloud Practitioner- Supervising the architecting and deployment of applications within AWS platforms.

WORK EXPERIENCE

Emagia **April 2024 – present**
Lead AI Developer Intern *Texas, USA*

- Implemented Dijkstra's algorithm for financial transaction routing, reducing processing time by 30%.
- Utilized XGBoost for fraud detection, achieving a 25% increase in accuracy.
- Orchestrated deployment of AI models on Azure, reducing operational costs by 20%.
- Employed Hadoop for data processing, reducing processing time by 40%.
- Improved cash flow forecasting accuracy by 15% through machine learning integration.

Accenture Solutions Private Limited **July 2021 – July 2022**
Associate Software Engineer *Hyderabad, India*

- Leveraged Python with pandas, NumPy, TensorFlow, and scikit-learn to boost data integrity by 30%.
- Used Jupyter notebooks for data analysis and model development, improving workflow efficiency by 40%.
- Provided recommendations to streamline processing efficiency by 35%, utilizing SQL and Databricks for scalable data analysis.
- Created visualizations with Microsoft Excel and Power BI, achieving 20% faster data reconciliation.
- Improved data retrieval and analysis processes by 25% through SQL database connectivity with Primavera P6.

Ducumber **May 2019 – June 2021**
Data Analysis Intern *Hyderabad, India*

- Utilized R programming to gather, refine, and manage data, improving data accuracy in financial services and insurance by 30%.
- Developed backend components using PHP, integrating with R for enhanced data analysis capabilities.
- Ensured precision in data inputs and outputs, improving processing efficiency for financial and insurance datasets by 20%.
- Collaborated in Agile software development, enhancing project delivery efficiency.
- Integrated SAP data for comprehensive analysis, contributing to a 40% better understanding of financial and insurance trends.

PROJECTS

Analysis of New York Motor Vehicle Collision Data | *(*Python, Tableau*)* **February 2023**

- Analyzed NYC motor vehicle collision data to identify accident-prone car models and types.
- Cleaned data by removing duplicates and correcting data types for quality assurance.
- Used Python libraries: Pandas, NumPy, and Matplotlib for data analysis and visualization.
- Identified key accident factors and visualized results with Tableau for insights.

Currency detection application for visually impaired people | *(Python, p5.js)* **September 2022**

- Developed app with K-nearest neighbors' algorithm for currency denomination identification.
- Integrated natural language processing for verbal queries, enhancing user interaction.
- Built web application with P5js for enhanced accessibility.
- Carried out real-time currency recognition for immediate assistance.