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**EDUCATION****Missouri University of Science and Technology**, Rolla, MO

August 2022 – May 2024

Master of Science in Computer Science

- Coursework: Database Management Systems, Machine Learning, Big Data, Business Analytics

**Gandhi Institute of Technology and Management**, Visakhapatnam, IN

August 2018 – May 2022

Bachelor of Technology in Computer Science and Engineering

- Coursework: Advanced Statistics, Data Mining and Data Warehousing, Operations and Supply Chain Management

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**PROFESSIONAL EXPERIENCE****Extern**, Remote, USA

June 2024 – July 2024

**Data Science Extern**

- Led a team of four to assess data accuracy and enhance error resolution in the categorization of smart contract vulnerabilities.
- Established a relational database on Azure SQL Server, handling over 3 million records of smart contract data to support structured analysis and storage.
- Performed frequency and correlation analysis using Python to identify patterns, improving data validation and risk profiling accuracy by 30%.
- Maintained clear communication with cross-functional stakeholders, streamlining coordination processes and enhanced project turnaround time by 20%.
- Built a dynamic Power BI dashboard with 10 key performance indicators, using Data Analysis Expressions (DAX) to visualize trends and insights on smart contract vulnerabilities.
- Provided actionable insights based on risk profiling and clustering analyses, enabling a 23% reduction in error rates within data labeling and validation processes.

**Suhan Infotech**, Hyderabad, IN

June 2021 – July 2022

**Data Analyst**

- Collaborated with data leads across Product Development, IT departments to standardize data collection workflows for automation projects, Data Processing Accelerator (DPA) and Machine Learning Accelerator (MLA).
- Processed and analyzed large-scale unstructured data with over 100,000 records, using Python and SQL to drive efficiencies in data handling and reporting accuracy.
- Maintained and refined a relational database in Salesforce to store over 500,000 records of workflow data, achieving a 50% increase in data security.
- Configured Data Pipelines on Alteryx to perform repetitive data processing tasks reducing 20-man hours per week.
- Automated ETL workflows in Alteryx for high-impact initiatives, achieving a 60% increase in operational efficiency in data preparation stage.
- Led data governance and analytics workshops for cross-functional teams, improving data security standards by 40%.
- Optimized a Looker Studio dashboard to track performance metrics across data transformation initiatives, boosting data preparedness and readiness by 35%.
- Enhanced KPI tracking with weekly metric reports in Tableau, driving a 20% increase in project deliverable timeline more efficient resource allocation.
- Transformed raw data into visuals using AI and Canva, improved stakeholder engagement by 60%.

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**PROJECT EXPERIENCE**

- Built a comprehensive Machine Learning and real-time monitoring system using Python, Kafka, scikit-learn, and TensorFlow on the UNSW-NB15 dataset, enhancing firewall capabilities and reducing intrusion detection time by 40% while achieving 96% anomaly detection accuracy and strengthened model accuracy by 15% through advanced data preprocessing and visualization techniques in Tableau.
- Developed an interactive Tableau dashboard to analyze Netflix content trends, viewership patterns, and genre performance. Leveraged visualizations to uncover insights into audience preferences and content distribution, leading to a 20% improvement in data-driven content acquisition and recommendation strategies.
- Conducted predictive analysis for retail banking by evaluating **ML models**, Logistic Regression, Random Forest, and Neural Networks, using **Python, pandas, and scikit-learn**, resulting in the identification of the most accurate model for predicting customer sign-ups, which elevated marketing strategy efficiency by 30%.

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**SKILLS & ACHIEVEMENTS****Programming:** SQL, Python, R**Tools:** Advanced Excel, Tableau, Alteryx, Power BI, Google looker Studio, DBeaver, Dataloader.io, Salesforce**Technologies:** GIT, Docker, Snowflake, AWS (EC2, Workspaces, Redshift), Extract Transform Load (ETL)**Certification:** AWS Solutions Architect Associate, Microsoft PowerBI, Machine Learning Algorithms