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EDUCATION

Master of Science in Data Analytics (STEM)   **May 2025**
Clark University, Worcester, Massachusetts

Bachelor of Technology in Electrical and Electronics Engineering   **Jun 2023**
Kakatiya Institute of Technology and Science, Warangal, Telangana, India

WORK EXPERIENCE

Chubb Business Services, Hyderabad   **Sep 2022 – May 2023**
Technology Intern
- Collaborated with a dedicated team to design and develop a comprehensive application tailored for the facility and administration department, leveraging React for the frontend and NodeJS for the backend.
- Worked closely with the facility and admin teams to gather requirements, ensuring the application met their specific needs.
- Continuously improved the application based on user feedback, implementing updates and enhancements.

PROJECTS

Credit Card Fraud Detection
- Created a machine learning model to detect and prevent fraudulent credit card transactions.
- Used Python and TensorFlow to analyze transaction patterns and discover abnormalities, which improved security by properly detecting possible fraud situations.
- This approach reduces financial losses while increasing user protection.

University Networking Simulation using Cisco Packet Tracer
- Designed and simulated a multi-layered campus network for a university using Cisco Packet Tracer.
- Implemented VLANs for network segmentation and security, along with firewalls, Intrusion Prevention Systems (IPS), and Access Control Lists (ACLs) for robust protection.
- This project involved analyzing security risks and creating solutions to safeguard the network against potential threats.

E-Commerce Platform
- Developed small standalone application using a Java Swing and MySQL.
- It is an e-commerce prototype that allows users to view, filter the products, as well as add products to the cart. Users also have an option to be as a seller.
- Demonstrated proficiency in Java programming and database management through successful implementation of order tracking functionality.

Energy Insights
- Cleaned and analyzed large energy generation dataset using Tableau
- Developed interactive Tableau dashboards revealing key trends and patterns in power generation, including highest generation, seasonal variations, and breakdown of renewable vs. non-renewable energy generation
- Demonstrated proficiency in data visualization by utilizing advanced Tableau features like calculated fields, parameters, and dynamic filters to effectively communicate key trends and patterns

RELEVANT SKILLS

Programming Languages: Python, JAVA, C++, C, HTML, CSS, SQL, JavaScript
Databases: MySQL, MongoDB, Microsoft SQL Server, Oracle SQL
Version Control and Collaboration: Git, GitHub
Office Applications: Word, Excel, Spreadsheet
Certifications:
- Java Full Stack Developer
- Software Engineering
- Blockchain Basics
- Artificial Intelligence Foundation