MANISH NALLA

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EDUCATION

Clark University, Worcester, MA   **Expected May 2025**
Master of Science in Data Analytics.
Coursework: Python, Mathematical Statistics, Data Management and SQL, Applied Machine Learning.

Jawaharlal Nehru Technological University Hyderabad (JNTUH), India   **Jul 2018 - Sept 2022**
Bachelor of Technology, Computer Science and Engineering
Coursework: Data Structures and Algorithms, Web Technologies, Object Oriented Programming, Operating System, Computer Networks, Database Management System.

EXPERIENCE

Capgemini - India   **March 2022 – June 2022**
Software Engineer Intern
- Developed and optimized C code for Linux-based system-level applications, achieving a 70% increase in productivity through efficient resource utilization and high-performance implementation.
- Debugged and resolved complex software issues, including Linux kernel-level problems, by utilizing advanced debugging tools (like GDB debugger) and techniques to enhance system stability.
- Designed and implemented custom Linux device drivers and real-time data processing systems, demonstrating strong problem-solving skills and technical expertise.
- Automated repetitive tasks by writing efficient shell scripts, reducing manual efforts by 50% and improving workflow efficiency.
- Collaborated with cross-functional teams to ensure system reliability, resulting in a 75% improvement in overall performance and operational stability.

PROJECTS

Expense Tracking Application (React.js, JavaScript, CSS3, Bootstrap)   **Jan 2025**
- Developed and deployed a dynamic Expense Tracker Application using React, incorporating 5+ key features like adding, deleting, undoing the deleted expenses, and providing total to manage monthly expenses effectively.
- Implemented Local Storage to ensure 100% user-specific data persistence, allowing users to save and retrieve their expenses without the need for backend infrastructure.
- Enhanced user experience by designing an intuitive UI and interactive functionality using React hooks (useState, useEffect) to efficiently manage application state.
- Improved app functionality by adding confirmation dialogs for critical actions, undo options for deletions, and seamless data retention, leading to a more robust application.
- Demonstrated problem-solving skills by debugging issues and ensuring the application's responsiveness and reliability, delivering a smooth experience for active users.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C, C++.
Web Technologies: React.js, JavaScript, HTML5, CSS3, Bootstrap.
Version Control: Git, GitHub
Tools and Libraries: Visual Studio Code, SSMS, Jupyter Notebook, Pandas, Matplotlib.
Others: Data Structures and Algorithms, Object Oriented Programming (OOPs), MySQL, Linux.