MANOHAR PALETI

paletimr@mail.uc.edu | +1(513)879-2473 | Cincinnati, OH 45220

Education

04/2024
Cincinnati, OH

Master of Science in Information Technology
University of Cincinnati

06/2022

Bachelor of Technology in Electrical, Electronics Engineering Technologies
Gitam Deemed To Be University

Skills

- Programming languages: C, C++, Java, Python, Javascript, HTML, CSS, SQL, PHP, Arduino, Object-Oriented Programming
- Os: Linux, Windows, MAC, AWS, GIT, GitLab
- Frameworks: Docker,Flask, Django, Oracle EBS, Pandas
- Libraries: React, Angular
- Databases: MySQL, NoSQL, MongoDB, Apache Tomcat, Apache Hadoop
- Tools: Android Studio, Visual studio, Tableau, Kubernetes
- Methodologies: Agile/Scrum

Experience

01/2021 - 12/2022
SeaGate Pvt Ltd India
India

Junior Developer

- Led the ISO team for implementing the best security practices for protection of applications from vulnerabilities and security threats which ensure data integrity and confidentiality by 30%.
- Led the testing and debugging team to ensure code accuracy, reliability, and completeness which reduced the bug rate by 60%.
- Collaborated with business analysts and other stakeholders for refinement of technical specifications with alignment of business requirements which improved the business goals by 45%.
- Monitored and communicated in Agile/Scrum practices, which includes sprint planning, stand-ups, reviews and retrospectives which contributed to an increase in the team productivity by around 35%.

06/2020 - 12/2020
SeaGate Pvt Ltd India

Developer Intern

- Designed, developed and spearheaded RESTful and SOAP web services, whilst ensuring seamless integration with external systems improving the interoperability by 30%.
- Enhanced team communication by providing guidance and conducting code reviews, and sharing best practices, which led to a 25% improvement in the team's coding skills.
- Optimized industry-level design patterns such Singleton, Factory, and Observer which has improved the software architecture and the code scalability by 25%.
- Identified and resolved performance bottlenecks in the application, optimizing database queries and has increased the overall performance and scalability of the system 35%.

Projects

Quantum Database Query Using Grover's Algorithm

- Researched on the recent increase of data usage by 50% among many organizations for storage of the data.
- Designed a code which uses the principles of quantum mechanics for running a query in the database which has escalated the efficiency of database search by 45%.
- Conducted a rigorous phase of testing and benchmarking the quantum query algorithm which has demonstrated a 60% improvement in the speed of large-scale datasets.
- Pioneered the use of quantum computing for database queries within organizations which revamped the database query methods by 55%.
- Created a detailed documentation on the implementation and the benefits of Grover's algorithm which has surged the team's adoption by 30%.
- Achieved the optimization of quantum circuits for developing the efficiency and reliability of queries which lead to a 40% development in system performance.
- Coordinated with the quantum IBM technologies which have an inbuilt Grover's algorithm into the existing quantum interface which has stabilized the system compatibility and reduced the integration time by 25%.