RASHMITHA ETTADI

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EDUCATION

Master of Science: Computer Information Science **GPA:** 3.7/4.0
Indiana University – Purdue University, Indianapolis, United States *December 2024*
Bachelor of Engineering: Computer Science and Engineering **GPA:** 8.0/10.0
Bhoj Reddy Engineering College for Women, *Hyderabad, India* *August 2020*

TECHNICAL SKILLS

Programming **:** Java, Python, JavaScript, React **Databases** **:** MySQL, Oracle.
Frameworks **:** Spring MVC, Spring Boot **Version Control** **:** Git
Tools **:** Bitbucket, SonarQube, Jira, Confluence, Jenkins, PuTTY, Maven, STS, Visual Studio Code.

WORK EXPERIENCE

Application Development Analyst, Accenture, India January 2022 - December 2022

- Successfully developed java code with JUnit test cases using Spring Boot and achieved code quality above 80% on SonarQube tool.
- Implemented version control and collaboration using Bitbucket, resulting in a 40% reduction in code conflicts, thereby enhancing team efficiency and project workflow.
- Thoroughly tested the functionalities using the Postman client, resulting in the successful delivery of defect-free projects, ensuring client satisfaction, and saving approximately 20 hours of debugging time per project.
- Developed a Spring Batch program which enhanced the tracking of vehicles entering and exiting the warehouse, leading to a 10% increase in operational efficiency.

Application Development Associate, Accenture, India December 2020 – December 2021

- Developed a project to calculate estimated delivery dates for spare parts orders, leading to a 15% increase in on-time deliveries and significantly improved customer satisfaction, as reported by post-project surveys.
- Enhanced the Finance module by implementing a promotion calculation feature for specific seasonal parts, resulting in a 15% increase in sales during promotional periods.
- Analyzed legacy code and successfully resolved 95% of production issues within an average resolution time of 24 hours, resulting in enhanced system reliability and a 10% reduction in downtime.

COMPUTER SCIENCE PROJECTS

Financial Portfolio Optimization using RL and GAN August 2023 - December 2023

- Proposed a machine learning framework to enhance portfolio optimization through Reinforcement Learning. Employed Generative Adversarial Networks (GANs) to generate synthetic stock price data for training the RL agent and conducted a comparative analysis with training on actual data. Trained Advanced Actor Critic (A2C) and Deep Deterministic Policy Gradients (DDPG) RL agents, assessing and comparing their respective performances.

Technologies: Python, OpenCV, pyautogui

Hand Gesture Recognition Using Laptop Web Camera January 2023 - April 2023

- Implemented OpenCV functions and pyautogui library for gesture recognition. Investigated, tested, and recorded advantages and disadvantages of 3 distinct hand segmentation methods and determined best from the metrics.

Technologies: Python, OpenCV, pyautogui

E Voting Using Homomorphic Encryption January 2023 - April 2023

- Developed a seamless, practical remote e-voting included with all the security CIA policies to enable guaranteed user vote count without any modification using cryptographic primitive secure multi-party multiplication, Pallier cryptosystem with mutual lock voting.

Technologies: Python, Web Socket Programming

AWARDS & INVOLVEMENT

- Client Value Creation Award, Accenture, FY22 Q1
  Received the Client Value Creation Award in recognition of outstanding performance, which directly contributed to improvement in client satisfaction.