Rashmitha Ettadi
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Career Objective

Adaptable developer with a Master's in Computer Science, seeking to leverage strong collaborative skills and a proven ability to independently deliver impactful results. Aiming to apply software development experience to create well-documented, tested, and operable code while effectively communicating and contributing new ideas.

Education

Purdue University **MS in Computer Science** | GPA : 3.8 *January 2023 – December 2024*
Jawaharlal Nehru Technological University **BS in Computer Science and Engineering** | *August 2016 – August 2020*

Technical Skills

Languages : Java, Python, ReactJS, C/C++, MySQL, Oracle, JavaScript, HTML, XML, CSS
Frameworks : Spring (Spring Boot, Spring MVC), Microservices, React Native
DevOps and API Tools : BitBucket, Jenkins, Swagger, Postman, SonarQube
Cloud and Security Tools : AWS Cloud
Others : Agile (Scrum), SOLID principles, Debugging

Experience

Application Development Analyst | *Accenture* *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 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 15% increase in operational efficiency

Application Development Associate | *Accenture* *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.

Awards and Certifications

Star Performer Award | *Accenture* *November 2021*
Client Value Creation Award | *Accenture* *March 2022*
AWS Cloud Solutions Architect - Associate | *AWS* *July 2024*

Projects

Predictive Analysis of Power Consumption Using Machine Learning | *Python, Pandas, Scikit-learn, Matplotlib* *Spring 2024*
- Engineered machine learning models with Linear Regression, SVR, and Random Forest to forecast power consumption across various zones using environmental data.
- Enhanced model accuracy by optimizing performance and comparing results through mean squared error analysis.
- Visualized outcomes using clear and insightful charts to demonstrate energy usage trends.

Financial Portfolio Optimization using RL and GAN | *Python, tensorflow, keras, pandas* *Fall 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.

Hand Gesture Recognition Using Laptop Web Camera | *Python, OpenCV, pyautogui* *Spring 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.

E Voting Using Homomorphic Encryption | *Python, Web Socket Programming* *Spring 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.