

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
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
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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
<ul style="list-style-type: none">– 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.	