Pramila Yadav

Saratoga Ave, San Jose, CA 95129 | +1-716-908-0895 | LinkedIn | pramilar@buffalo.edu

6 years of experience in software development, proficient in Microservices, Spring Boot, Java and backend development, seeking an opportunity in software development.

EDUCATION

University at Buffalo, The State University of New York — Dec 2025
Master of Science, Computer Science, GPA: 3.4/4.0

Usha Mittal Institute of Technology, Mumbai, India — June 2018
Bachelor of Technology, Information Technology, GPA: 3.7/4.0

EXPERIENCE

Senior Software Developer, Accenture Solution Pvt Ltd, Mumbai — July 2018 – Aug 2024

- Developed and optimized microservices using Java and Spring Boot for Momentum.AEH and ALIP projects, improving system performance by 35% through lazy loading, pagination, database optimization, and removal of unused tables.
- Enhanced RESTful APIs by optimizing database queries, implementing caching, and refactoring APIs for clean, reusable services. Removed unused methods, redundant API calls, and unnecessary code blocks, ensuring 100% seamless integration and reducing response times by 30%.
- Optimized SQL queries and eliminated unnecessary table references, boosting database efficiency by 40%. Resolved issues across test and production environments, improving client productivity by 40% through quick issue resolution.
- Resolved issues across test and production environments by performing root cause analysis, debugging, and defect resolution. Fixed recurring issues, optimized performance, and enhanced system stability, leading to a 40% increase in client productivity through quicker issue resolution and improved system efficiency.
- Collaborated with Business Analysts, Testers, and front-end developers to refine requirements, align API responses with UI expectations, and validate test cases. Ensured 95% alignment with objectives through effective communication, sprint planning, and adherence to SDLC best practices.
- Implemented comprehensive JUnit test cases, covering core functionalities and edge cases, increasing code coverage by 90%. Refactored legacy code for better testability, used Mockito for dependency mocking, and wrote integration tests for APIs. Fixed SonarQube issues by resolving poor code practices and redundant logic, improving code quality and maintainability.
- Led knowledge transfer (KT) sessions for 300+ team members on features I developed, ensuring smooth adoption and integration. Mentored junior developers on independent functionalities, enhancing overall team expertise and productivity

ACADEMIC PROJECTS

AI/ML projects:

- Designed LDA, QDA, and Ridge Regression models for diabetes prediction, optimizing accuracy and reducing Mean Squared Error (MSE) for Gaussian Discriminant Analysis & Regression for Medical Data.
- Constructed a Multilayer Perceptron (MLP) with backpropagation for MNIST digit classification, achieving 93.62% test accuracy, and compared it with shallow, deep, and convolutional neural networks (CNNs) using PyTorch, where CNNs achieved a superior 98.7% accuracy for Handwritten Digit Classification Using Neural Networks.
- Implemented One-vs-All Logistic Regression and Multi-Class Softmax Regression for handwritten digit classification, achieving 92.55% test accuracy, and optimized SVM models with linear and RBF kernels through hyperparameter tuning for C and gamma to enhance classification performance.
- Engineered a sustainable tourism recommendation system using Machine Learning (Random Forest, KNN, Decision Trees) and BallTree-based spatial indexing to suggest less crowded destinations. Built an interactive web application with a PostgreSQL database for managing tourism data, allowing users to modify, visualize, and generate itinerary recommendations for balanced tourism demand.

Text to Video Storyteller:

- Built a desktop application to generate video from text paragraphs.
- Used Python NLTK for natural language processing to extract contextual information from text.
- Integrated image retrieval, animation stitching, and text-to-speech (TTS) technologies to create synchronized and engaging video content from textual paragraphs. (*Python, Natural Language Processing, Machine Learning*)

Friend Finder:

- Built an android app to share and get the location of friends within a certain diameter using the **Dijkstra algorithm** with the user as node and connections as edge.
- Added chat and notification support through Google Firebase real-time NoSQL database. (*Java, Android, Google Firebase*)

TECHNICAL SKILLS

Languages and Database: Java, Python, SQL, PostgreSQL
Web and Mobile Development: HTML5, CSS, Bootstrap, WordPress, Android
Tools & Framework: REST API, Microservices, Spring Boot, Maven, Git, Android Studio, Docker
AI/ML: TensorFlow, Scikit-learn, PyTorch

AWARDS AND CERTIFICATES

- Awarded “Star Player of Sprint” for hard work and commitment to the Momentum project
- Completed “Full Stack Engineer School” in MERN stack by Learning and Knowledge Management (LKM)
- Certified in Scrum Foundation Professional certificate (SFPC)
- Certified in Insurance Foundation Learning and Insurance Intermediate learning