Pramila Yadav

San Jose, CA 95129 | +1-716-908-0895 | [LinkedIn](https://www.linkedin.com/in/pramilayadav-973697/) | [pramilar@buffalo.edu](mailto:pramilar@buffalo.edu)

6 years of experience in backend development with expertise in Java, Spring Boot, and Microservices. Seeking a software engineering role to build scalable and efficient systems.

# TECHNICAL SKILLS

**Programming Languages**: Java, Python, C, C++, JavaScript, PHP,XML

**Frameworks and Libraries**: Spring Boot, JAX-RS / JAX-WS, OpenAPI, Scikit-learn, TensorFlow, PyTorch, Bootstrap

**Databases:** Oracle, SQL Server, PostgreSQL

**Tools & Technologies**: REST API, Microservices, Spring Boot, Android Studio, Maven, Git, Docker, Jenkins, Android

**Software Development Practices:** CI/CD, Agile, Microservices, RESTful APIs, Version Control, Design Patterns, TTD EXPERIENCE

**Senior Software Developer, Accenture Solution Pvt Ltd, Mumbai**

Accenture Momentum July 2018 – Aug 2024

* Developed RESTful APIs for Role-Based Access Control(RBAC), Idea Submission,Key Performance Indicators(KPI) and Manage Notes, supporting GET, PUT, and POST operations.
* Enhanced backend performance through code refactoring and bulk Excel upload functionality.
* Delivered high code quality by writing JUnit tests and addressing SonarQube issues to boost coverage and reduce defects.

Ohio National Financial Services (ONFS)

* Built backend modules for Term and Whole Life insurance from application creation to contract generation.
* Developed services using Java, XML, and SQL, integrated with internal/external systems via SOAP/REST APIs.
* Resolved defects across the insurance lifecycle and maintained stability in production environments.

The Guardian Life Insurance Company of America (GLIC)

* Developed secure, OAuth 2.0-enabled REST APIs for Critical Illness Insurance features such as Family Coverage, Terminal Illness, and Lump Sum Payouts.
* Used Docker, Git, and Maven for containerized deployments, version control, and build automation.
* Documented APIs with OpenAPI/Swagger to streamline third-party integration.

MassMutual (MM)

* Implemented backend logic for Universal Life insurance transactions including claims, loans, and surrenders.
* Diagnosed and resolved UAT and contract-level issues to ensure timely releases.

Allianz Life (AZL)

* Configured Indexed Universal Life product rules and handled production support for staging/validation bugs.
* Developed internal UI screens using HTML and JSP to aid product configuration.

New York Life (NYL)

* Owned end-to-end backend development of a Term Life insurance product.
* Improved backend performance by 30% through SQL optimization and workflow streamlining.

American International Group (AIG)

* Built and integrated primary/secondary beneficiary logic across application and contract modules.
* Developed optimized SQL queries to boost processing efficiency on large-scale insurance datasets.

ATHENE

* Developed backend logic for Fixed Annuity products, supporting premium/term selection and withdrawal periods.
* Reduced manual processing overhead by automating staging and validation workflows via code and data integration.

# ACADEMIC PROJECTS

**Medical Data Classification and Digit Recognition using ML and Deep Learning:**

* Developed and compared ML models (LDA, QDA, SVM, Ridge Regression) and neural networks (MLP, CNN) for diabetes prediction and MNIST digit classification.
* Achieved up to 98.7% test accuracy by optimizing model parameters and leveraging PyTorch for deep learning experiments.

**Sustainable Tourism Recommendation System using ML and Spatial Indexing**

* Built a machine learning-based recommender system using BallTree indexing and models like Random Forest and KNN to suggest less crowded tourist spots.
* Developed a PostgreSQL-backed web app for itinerary generation, data visualization, and tourism demand management.

**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*)

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# 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

# 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