Saloni Redij

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SUMMARY

Graduate student in CS and software engineer with 2 years of experience in building scalable microservices, full-stack AI-integrated and cloud-based applications using Java, Python and cloud platform (AWS). Passionate about designing software systems leveraging AI and data-driven architectures.

EDUCATION

University at Buffalo SUNY, Master of Science in Computer Science	**Dec 2025**
Coursework: Data Intensive Computing, Distributed Systems, Machine Learning, Operating Systems	Buffalo, USA
University of Mumbai, Bachelor of Engineering in Information Technology	**Jun 2022**
Coursework: Algorithms and Data Structures, Big Data Analysis, Database Management Systems	Mumbai, India

EXPERIENCE

Software Development Engineer, Intern - Youro LLC, New York   **Jun 2025 – Jul 2025**
- Led design and implementation of cloud-based messaging system using **Java (Spring Boot), ReactJS, AWS S3 and Websockets**, optimizing real-time communication between doctor and patients.
- Implemented **medical chatbot using AWS** Bedrock Claude Haiku, Amazon Lex and OpenSearch Knowledge Base and **RAG pipleine** to deliver context-aware answers, **reducing repetitive patient queries by 60%**.
- **Integrated chatbot into web app with REST API calls** to Lex and in-memory caching to maintain conversational context, ensuring real-time chats, better server performance and lower cloud storage costs.

Software Engineer, Analyst - TIAA Global Capabilities, Mumbai   **Jun 2022 – Jul 2024**
- **Collaborated with cross-functional teams** to digitalized retirement and annuity transactions by developing applications using Unqork platform, boosting **digital submissions 45% YoY**.
- **Digitalized data collection for 1500+ executives**, replacing manual Excel processes, reducing transaction turnaround times from **5 to 2 business days** and saving $4M annually operational costs.
- Engineered modular **microservices in Java (Spring Boot)** enabling cloud-native application architecture supporting enterprise integration.
- Diagnosed and **resolved production and UAT issues** by analyzing Splunk logs, identifying root causes to minimize client impact and improve system reliability.
- Conducted **code reviews and performed unit testing** for new application features to ensure high-quality deliverables, minimizing possibilities of production issues.
- **Redesigned UI across 10 applications**, achieving 100% visual consistency with organizational branding.
- Designed and **demonstrated MVPs for Wealth Asset Management team** to support strategic business decisions during migration from legacy platforms.
- **Collaborated in Agile delivery processes** with stakeholders and cross-functional teams, contributing to sprint planning and retrospectives, ensuring efficient project delivery and continuous process improvement.

Software Engineer Intern - Cynthians Edtech, Mumbai   **Apr 2021 – Jun 2021**
- Built attendance management module with **PHP (Codigniter), MySQL database** and REST APIs calls for CURD operations, using **AJAX for real-time data sync** and on-demand page load.
- Integrated with **Google Charts for data visualization**, boosting data accessibility and **site engagement by 75% for 50+ institutional batches.**

PROJECTS

Expense Reimbursement System
- Architected expense management platform using **Oracle APEX and PL/SQL**, integrating REST APIs for secure expense validation and approval workflows.

Credit Risk Analysis for Loan Approval
- Developed credit risk analysis pipeline in Python, leveraging data preprocessing, feature engineering and XGBoost to classify loan approvals with 93% accuracy, improving decision consistency and minimizing default risk.

TECHNICAL SKILLS

Languages: Java, Python, R, SQL, NoSQL, HTML, CSS, Javascript.
Frameworks and OS: Springboot, ReactJS, Node.js, Flask, Langchain, LangGraph, CrewAI, Linux, Ubuntu.
Tools | Utility: REST APIs, JSON, Git, GitHub, Postman, Hadoop, Jira, Jenkins, Maven, Gradle, Splunk, Docker, Unqork.
Cloud | Database : Oracle, AWS, Azure, MySQL, MongoDB, PL/SQL, Postgres, Snowflake
Libraries: Pandas, NumPy, Matplotlib, Pytest, HuggingFace, Scikit-learn, TensorFlow, Pytorch, PySpark, JUnit.

CERTIFICATES

Azure AI Engineer Associate, certified by Microsoft, June 2025.
AWS Cloud Practitioner, certified by AWS, February 2025.