Saloni Redij

716-994-2759 | saloni1829@gmail.com | Linkedin | Github | Publication | Portfolio | San Francisco, CA

SUMMARY

AI and Software Engineer with 2+ years of experience building AI features, microservices and cloud systems using Python, Java and AWS. Solid understanding of system design principles, agile methodologies, GenAI and RAG pipelines, MCP and secure API design. Awarded TIAA's 2023 Innovation Award for work that improved efficiency and customer experience.

EDUCATION

University at Buffalo SUNY, Master of Science in Computer Science AI/ML (3.75/4.0)	**Jan 2026**
Coursework: Data Intensive Computing, Distributed Systems, Machine Learning, Advanced Algorithms	Buffalo, USA
University of Mumbai, Bachelor of Engineering in Information Technology (8.5/10.0)	**Jun 2022**
Coursework: Algorithms and Data Structures, Big Data Analysis, Database Management Systems	Mumbai, India

EXPERIENCE

AI Application Engineer, Intern - Youro LLC **Jun 2025 – Aug 2025**
- Led design and implementation of cloud-native full-stack messaging system using **Java (Spring Boot), ReactJS, AWS S3 and Websockets**, optimizing real-time communication between 500+ users.
- 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 local memory storage to maintain conversational context, ensuring real-time chats, better server performance and lower cloud storage costs.
- **Designed and integrated payment gateway interface with Stripe** to process payments for **500+ users**, enabling seamless transactions and compliance standards.

Software Engineer, Analyst - TIAA Global Capabilities **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.
- Designed and **demonstrated 2 MVPs for Wealth Asset Management team** to support strategic business decisions during migration from legacy platforms.
- 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.
- **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.

PROJECTS

AI-Driven Marketing Strategy Agents
- Built MCP multi-agent AI workforce using Autogen, orchestrating OpenAI, Gemini and Claude models as MCP clients interacting with standardized tool servers. Implemented portable tool schemas, shared context negotiation and human-in-the-loop approval flows, enabling coordinated agent collaboration for rapid marketing campaign design and execution.

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. Built and deployed Django-based web application on Render to provide real-time analysis by serving ML model predictions through REST APIs, integrating models within Django views to deliver data-driven insights.

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, NoSQL, Javascript, Typescript, Django, Springboot, ReactJS, NodeJS.
AI : LLMs, LangChain, RAG, ETL, Prompt Engineering, HuggingFace, Autogen, n8n, FastAPI.
Tools | Utility: REST APIs, JSON, Git, GitHub, Postman, Jenkins, Maven, Gradle, Splunk, Docker, Unqork, Autogen.
Cloud | Database : AWS, Azure, MySQL, MongoDB, PostgreSQL, Snowflake, Redis, ChromaDB, Pinecone.
Libraries: Pandas, NumPy, Matplotlib, Pytest, HuggingFace, Scikit-learn, TensorFlow, Pytorch, PySpark, JUnit.

CERTIFICATES

Microsoft Certified: Azure AI Engineer Associate, Jun 2025
AWS Certified: Cloud Practitioner, Feb 2025.