

# Arpita Sangameswarsarj Desai

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## TECHNICAL SKILLS

- Programming Languages** : Java, Python  
**Front-end Technologies** : HTML, CSS, JavaScript, Redux, Bootstrap, React, Axios, Material UI  
**Back-end Technologies** : Spring Boot, NodeJS, Microservices, Hibernate, Pub/Sub, RESTful APIs, JSON, Lambda  
**Databases** : SQL, NoSQL, MySQL, PostgreSQL, MongoDB, DynamoDB  
**Tools and Libraries** : GitHub, Maven, Linux, Docker, IntelliJ, Jenkins, Visual Studio, Vertex AI, Mockito  
**Cloud Technologies** : AWS (EC2, RDS, Amplify, Lambda), GCP (App Engine, Cloud Run, Cloud Storage)

## PROFESSIONAL EXPERIENCE

**Miracle Software Systems, Novi, USA — Software Engineer** Sept 2024 – Present

- Led a cross-functional team to design and implement a GenAI-based Warranty Claims Processing Application, deployed on Google Cloud Run, optimizing claim processing time by 60%.
- Architected a robust solution leveraging Qdrant DB for vector similarity search and Vertex AI for claim analysis, improving decision accuracy by 98%.
- Integrated incoming claims with Pub/Sub for real-time processing and historical data ingestion, enabling system to process 10,000+ claims monthly.
- Built 10 RESTful APIs for a Node and ReactJS app with OIDC authentication and Redux for state management, enhancing user satisfaction by 40% and streamlining claims management workflows.
- Implemented AI-powered visual evidence verification, analyzing uploaded evidence for relevance and reducing manual validation errors by 35%.
- Facilitated 20+ client meetings to gather requirements, provide feedback to team, and align on business goals.

**Dawn Foods, Boston, USA — Software Engineer Co-op** Jul 2023 – Dec 2023

- Designed an innovative email-less account management workflow, enhancing employee engagement by 60%.
- Implemented Spring Security and automated SAP user verification using SAML assertion and Feign client integration, reducing unauthorized access by 30%.
- Led the design and deployment of a microservices architecture on GCP App Engine with Jenkins CI/CD, cutting deployment time by 32% in an Agile Scrum environment.
- Collaborated with cross-functional teams to build business-aligned solutions and executed 100+ unit tests with code reviews, adhering to best practices and documenting on Confluence.

**Accenture, Bengaluru, India — Software Engineer** Nov 2020 – Aug 2022

- Developed a React-Spring Boot Issue Tracking Portal and reduced issue submission time by 30%.
- Streamlined Jira Management with 8 REST APIs for issue retrieval, creation, and automated manager assignments, lowering issue resolution time by 37%.
- Enhanced Data Accuracy and User Experience by spearheading data validation strategies, improving data completeness and user satisfaction by 40%.
- Maintained Teamcenter database, managed user operations and data migrations, and built reports to enhance software effectiveness by 20% through client discussions.
- Completed Accenture's Tech Expressway Program, certified in Networking concepts, Data Structures & Algorithms and demonstrated a 40% improvement in communication, problem-solving and collaborative skills.

## PROJECTS

**Patient Monitoring System — Northeastern University**

- Engineered a real-time web application with blood pressure tracking and analytics using React and Spring Boot.
- Created dynamic data visualizations and PDF reports using Chart.js and jsPDF, improving data accessibility.
- Deployed frontend on AWS Amplify with services on Lambda functions, and integrated Jenkins for CI/CD, automating continuous deployment and ensuring seamless updates.

**Revolutionizing Fitness — Northeastern University**

- Established a fitness web app using MERN stack, enabling workout customization, access to trainers, and progress tracking with secure authentication and personalized diet plans via Rapid API
- Crafted UI with React and robust backend with Node, ensuring efficient data management with MongoDB.

## EDUCATION

**Northeastern University, MA** | Master of Science in Information Systems | GPA: 3.75 Aug 2024

**KLE Technological University, India** | Bachelor of Engineering in Electronics and Communication | Aug 2020  
Minor Program in Computer Science Engineering

## UNIVERSITY INVOLVEMENT

**Northeastern University, Boston, USA — Residential Security Officer** Jan 2023 – Aug 2024

- Demonstrated leadership, decision-making, and strong communication skills as RSO Proctor, effectively managing team operations, which led to my promotion to Supervisor.