

# MANASI JADHAV

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## SUMMARY

Experienced **software engineer** with **3+ years** of experience **building scalable Java, Spring Boot applications** and **RESTful microservices**. Skilled in **debugging, problem-solving**, and contributing to **complex, high-impact cross-functional projects** in **agile, fast-paced development environments**.

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, JavaScript, SQL.

**Frameworks & Libraries:** Spring Framework, SpringBoot, Spring MVC, Node.js, React.js, Bootstrap, NumPy, Pandas, TensorFlow, PyTorch.

**Web Development & API Technologies:** HTML, HTML5, CSS, RESTful API, MVC, JSON, XML.

**Databases:** MySQL, MongoDB, PostgreSQL, NoSQL, Relational Databases, RDBMS, NoSQL, JDBC.

**Big Data & Distributed Processing:** Hadoop, Spark.

**Architecture & Design:** Algorithms, Design Patterns, Object-Oriented Design, Microservices.

**Cloud & DevOps:** AWS, Azure DevOps, Jenkins, CI/CD, Kubernetes, ArgoCD.

**Messaging & Security:** Kafka, OAuth2, Ping Federate, Permit, Authentication and Authorization.

**Testing, Monitoring & Code Quality:** JUnit Testing, Postman, SonarQube.

**Version Control & Collaboration:** Git, GitHub, Jira, Scrum, Agile Methodologies, SDLC, Code Review.

**Tools & Development Environments:** Maven, Visual Studio Code, Jupyter Notebook, IntelliJ, Eclipse, Figma.

## WORK EXPERIENCE

### Goldman Sachs | Asset and Wealth Management

Dallas, Texas, United States

Software Engineer | Analyst

July 2025 – Present

- **Architected microservices** from scratch using **Java, Spring Boot, REST APIs, and JDBC**, generating and delivering Margin Call Notices for **10K+ client accounts daily** with detailed portfolio.
- **Integrated Kafka-based event streaming** (100K+ daily events) for real-time margin shortfall detection and inter-service communication across distributed systems.
- **Designed reporting pipelines** using **SQL (PostgreSQL/MySQL), Hibernate/JPA, and JSON-based data models** to generate **15K+ structured client reports per day**.
- Containerized services with **Docker** and deployed on **Kubernetes**, implementing **CI/CD (Jenkins/ArgoCD) pipelines** achieving **99.9%+ service uptime**.
- **Contributed to 30+ production releases**, performing code reviews, writing **JUnit test cases**, and ensuring code quality via **SonarQube within Agile (JIRA/Scrum) environment**.

### Harman Connected Services

Pune, Maharashtra, India

Software Engineer in Product Development

Dec 2020 - Jul 2023

- **Engineered fault-tolerant Java microservices** to enhance system scalability and reliability, achieving a **30% improvement in efficiency** through Agile methodologies.
- **Developed 15+ custom forms** for a patient portal used by **100+ medical offices**, enhancing user experience with **ReactJS** and **JSON-driven components**.
- **Resolved 50+ critical bugs**, automated backend processes, and optimized data analysis pipelines, resulting in a **40% boost in overall system performance**.
- **Designed and executed unit test cases** for the **ERA** feature using **JUnit**, ensuring robust coverage and improved code reliability, & the **successful delivery of 20+ production updates** aligned with best practice.
- **Conducted 10+ design reviews**, documented technical specifications, and gathered requirements across **50+ stakeholder meetings**, streamlining product delivery.
- **Collaborated with a cross-functional team of 10 engineers** to implement scalable solutions and ensure **seamless integration** within the broader system architecture.

## PROJECTS

### Task Manager Web Application ([GitHub Task Manager Link](#))

- Programmed **full-stack Task Manager app** using **Spring Boot, React.js, PostgreSQL, & JWT** with **RESTful APIs**, enabling **task creation, updates, deletion, authentication & drag-and-drop functionality**.

## Signify – A Real-time American Sign Language (ASL) Translator ([GitHub Signify Link](#))

- Built **Signify**, a real-time ASL translation web application using **HTML, CSS, JavaScript (frontend), Flask (backend), CNN-based image classification, and libraries including OpenCV, NumPy, TensorFlow/Keras, and MediaPipe**, enabling live ASL-to-English translation and interactive practice.

## Hospital Management System ([GitHub Hospital Management System Link](#))

- Designed and implemented a **relational Hospital Database Management System** using **PostgreSQL**, modeling 5+ core entities (patients, doctors, appointments, billing, medical records), **optimized 20+ complex SQL queries** through **indexing and normalization (3NF)**, improving query performance by ~40% and ensuring **data integrity** with constraints and **relational mappings**.

## EDUCATION

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### Master of Science, Computer Science and Engineering

Aug 2023 - Dec 2024

University at Buffalo, State University of New York at Buffalo

GPA – 3.87/4.0

- *Coursework:* Algorithms Analysis & Design, Operating Systems, Computer Security, Data Intensive Computing, Management of IT Projects, Computer Vision, Data Models & Query Languages.

### Bachelor of Engineering, Computer Engineering

Aug 2016 - May 2020

University of Pune, PVG's College of Engineering and Technology

GPA – 8.55/10.0

- *Coursework:* Artificial Intelligence, High Performance Computing, Data Analytics, Data Mining, Database Management Systems, Computer Networks, Software Modeling & Design, Computer Graphics.

## AWARDS AND ACHIEVEMENTS

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- **Graduate Leadership Award**, presented by the Department of Computer Science and Engineering, University at Buffalo.
- **Won 2<sup>nd</sup> Place in CSE Demo Days, Spring 2024** presented by the Department of Computer Science and Engineering, University at Buffalo, for Signify — a real-time American Sign Language (ASL) translation web application.