

# Sravanti Kanchi

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## EDUCATION

### Northeastern University, Boston, MA

Expected May 2025

Masters in Sciences, Software Engineering Systems

**Courses:** Database Design & Architecture, Object Oriented Programming

### Indian Institute of Information Technology Sri City, India

Jul 2021

Bachelors in Electronics & Communication Engineering

## SKILLS

**Programming Languages:** Javascript, Python, Java, HTML, CSS, Unix scripting

**Tools:** Node.js, Express.js, Postgresql, SQL, MongoDB, GIT, AWS, Redis, Spring Boot

**Cloud:** AWS ( SQS-SNS, S3 Bucket, Elastic Cache, EC2, Lambda Functions,SES)

**CI/CD/Monitoring/Logging:** GitHub Actions, Prometheus, Newrelic, Docker, Jenkins, Grafana

## WORK EXPERIENCE

### Software Development Engineer | [Rupeek](#), India

Aug 2021 - Aug 2023

- Led development, testing, and debugging of 12+ services using Node.js, Java, MongoDB, and Redis.
- Designed a Document Signing Service for digitizing loan renewals, which reduced manual signing and improved renewals by two crores per month. Developed the service using Express, MongoDB, AWS SQS-SNS, and S3 bucket.
- Designed and Implemented a Money Routing Micro Service for handling payment settlements which improved the efficiency of the tech support team, and reduced the manual settlements by 30%
- Developed Interest/Renewal Reminders using cron for a better user experience and reduced the complaint tickets by 40%.
- Developed a Backend for Frontend layer to streamline data retrieval and consolidated Eight client-side service calls to a single service call in mobile/web apps.
- Worked on a real-time loan status tracking feature for a better user experience, resulting in a significant cost savings of 9 crores
- Optimized a loan data synchronization process via SQS, preventing the display of outdated IPC values. Successfully managed daily updates for **2 lakh loans per day**.
- Conducted 50+ PR reviews, managed 10+ production releases, and facilitated knowledge transfers to ensure quick onboarding of new team members.
- **Awards:** Received Spot Award (Jan 2023) for outstanding performance and achieved Excellence Award (Jan 2022) for exceptional contributions.

### SDE Intern at Truminds | [Truminds](#), India

Jan 2021 - June 2021

- Contributed to the development of N4 Interface Node and Session procedures of 5G Architecture with multi-threading for 20 sessions, including mutex locks for concurrency control in C++.
- Incorporated Redis cache for session info, utilized write-through cache technique, and persisted data to MongoDB for efficient data management every 2 hours.
- Implemented two different Application (HTTP, PFCP) and Transport (TCP, UDP) layer protocols with socket programming.

## ACADEMIC PROJECTS

### Whatsapp Automated Chatbot | [Code](#) | [MongoDB, Express.js, Node.js]

Aug 2023

- Built a Rules-Based WhatsApp Chatbot using JSON Rule Engine in an event-driven approach.
- Made the System Configurable and Language Localized for 8 Languages, integrated chatGPT for user prompts.

### Stock Portfolio Analyzer | [Portfolio](#) | [ Spring Boot, Spring Data, Jackson, Mockito]

Jun 2020- Jun 2021

- Implemented the core logic and published the portfolio manager library as a JAR for easy versioning.
- Computed the annualized returns based on the stock purchase date and holding period, and enhanced application stability with comprehensive error reporting and better exception handling.
- Increased application responsiveness by 50% with multithreading.

## PUBLICATIONS

Integral Framework of UAV - [Publication](#) | [Python, Algorithms]

Aug 2019 - Aug 2021