

# ARPIT JAIN

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## TECHNICAL SKILLS

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**Languages** Java, Python, JavaScript, SQL, Shell Scripting

**Frameworks & Libraries:** Spring Boot, Hibernate/JPA, Node.js, Express.js,

**Tools & Technologies:** REST API, GraphQL, WebSockets, Kafka, SQS, Redis, MongoDB, DynamoDB, Elasticsearch, AWS, Docker, Kubernetes, Jenkins, Maven, Linux

## WORK EXPERIENCE

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### Star Health and Allied Insurance

Jan 2024 - Present

*Software Development Engineer*

- Promoted from intern (6 months) to full-time engineer based on strong performance and technical contributions.
- Designed and developed a scalable A/B testing platform using **Spring Boot**; engineered an algorithm in **JavaScript** for variation assignment, ensuring consistent user experience.
- Develop and maintain the Star Health customer app backend serving **5M+ customers** and **30k+ daily active users** across India.
- Developed the app's **first revenue-generating feature** by bringing policy renewals natively to the platform, utilizing **Kafka** for asynchronous processing, **Redis** for caching, and both **MongoDB** and **PostgreSQL** for data storage; generated **₹250+ crore** in revenue within 4 months.
- Built the backend for customer enrollment system into Star Wellness Programs in collaboration with external vendors, reaching **5,000+** customer enrollments within three months.
- Implemented in-app functionality enabling 2 lakh+ customers to access and utilize Star Flexi benefits.

### Centre for Railway Information Systems (CRIS)

Jun 2023 - Jul 2023

*Software Development Engineer - Intern*

- Developed a Python web application to summarize multi-page PDF circulars and extract tabular data for calculating freight rates between cities, loads, and materials.
- **Designed and built** a user interface with Streamlit, integrating GPT-3.5 to enable conversational and accurate freight rate calculations.

### Go GreenEOT

Mar 2022 - Jul 2022

*Software Development Engineer — Intern*

- Implemented a secure and scalable payment system via a **RESTful API** using **Express.js**, integrated with Razorpay SDK for on-demand payment link generation, and deployed on **AWS** with Elastic Beanstalk and API Gateway.

## PROJECTS

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### Indian Sign Language Synthesis | Python

Jun 2022 - Dec 2023

- Designed and developed a tool to generate animated avatars performing sign language gestures, enabling real-time translation of spoken English videos for a research and development project under the Centre of Excellence, IIIT.
- Developed a translation service in **Python** using technologies **HamNoSys** and **SiGML**

### chatApp | Node.js, Socket.IO, MongoDB

Oct 2021

- Project maintainer, built a chatroom-based web application to explore **WebSockets**
- Mentored 10+ students for IIT Kharagpur's **KWoC'21**
- Deployed using [Render](#)

## EDUCATION

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Jaypee Institute of Information Technology

2020 – 2024

*B. Tech in Computer Science and Engineering*

*Noida, Uttar Pradesh, India*

## EXTRACURRICULAR

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### 30 Days of Google Cloud - Cloud Engineering Track

Oct 2020

- Developed an **understanding of Cloud Resources** and worked with **Cloud Environments**
- Deployed applications using **Kubernetes** on Google Cloud Platform