

# Shivam Singh

Chandigarh, India

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## Work Experience

### IEEE Student Branch, Chitkara University

Remote

Vice Chair

June 2024 - Current

- Led a team of 50+ members to organize multiple technical and coding events, including CodeWars 5.0 in collaboration with Coding Ninjas, boosting student engagement and participation by 40%.
- Coordinated with industry professionals to host webinars and workshops on AI, blockchain, and web development, enhancing the technical exposure of members.

### Geeks for Geeks

Bangalore

Campus Mantri

June 2023 - May 2024

- Represented GeeksforGeeks at the university level, promoting coding culture and GFG events among 1,000+ students.
- Developed a session metrics library to trigger events to Kafka, facilitating A/B testing of applications and enhancing analytics capabilities and

### Juspay

Bangalore

Product Engineer Intern

January 2023 - June 2023

- Worked on the development of the SOS feature, including the implementation of contact fetching and storage functionalities for emergency scenarios.
- Boosted active driver count by 20% by building a driver location health check service using Redis and Kafka, which monitored real-time activity and automatically sent notifications to inactive drivers, encouraging re-engagement.

## Projects

### Bits-Of-Code

Next.js, Node.js, Redux

Collection of Blogs for Developers

Github

- Crafted a single-page application with Next.js and Node.js to facilitate the sharing of development blogs.
- Implemented static site generation for accelerated load times and increased efficiency.
- Leveraged Firebase for user authentication and data storage, alongside SWR for efficient data fetching.
- [blogs.soumyajit.tech](https://blogs.soumyajit.tech)

### Booking-Engine

Java, Spring Boot

Reservation System

Github

- Developed RESTful APIs for booking, availability checks, cancellations, and user management using Spring Boot and Spring Data JPA.
- Ensured data integrity with transactional flows and optimistic locking to prevent double booking; added idempotency and retry logic for reliability.
- Improved availability read performance using Redis caching and containerized the service with Docker for reproducible deployments.

## Technical Skills

### Strongest Areas

Data Structures, Algorithms

### Programming Languages

C/C++, Javascript, Rust, Java, Haskell

### Libraries/Frameworks

Node.js, Kafka, Kubernetes, Docker, Spring Boot, Solidity, React.js, Next.js, Typescript, Webpack, Git

### Database

PostgreSQL, Redis, MongoDB, Firebase

### Platforms

AWS, Vercel

## Education

### Birla Institute of Technology

Ranchi, India

IMSC in Mathematics and Computing

June. 2018 - May. 2023

- 8.04/10