

Suyash Verma

+91 99226 90884 | suchiv2311@gmail.com | [linkedin.com/suyashverma2311](https://www.linkedin.com/suyashverma2311) | github.com/suyash

EDUCATION

National Institute of Technology, Rourkela

Bachelor's in Technology in Electronics & Instrumentation Engineering

Rourkela, Odisha

Aug. 2019 – May 2023

Birla College of Arts, Commerce & Science, Kalyan

Higher Secondary with Computer Science

Thane, Maharashtra

Jun. 2016 – May 2018

EXPERIENCE

Associate Software Engineer

Lowe's India

June 2023 – Present

Bengaluru, India

- Optimized **MongoDB** queries and indexing, reducing data retrieval time by **30%** for supply chain APIs.
- Increased API throughput from **100 TPS to 1700 TPS** and response time from **550ms to 100ms**.
- Overhauled APIs to reactive streaming, boosting supply chain data processing speed by **40%**.
- Conducted **K6** performance testing, resolving bottlenecks for **20+ consumer teams'** API reliability.
- Integrated **Kafka** for **14k events/sec** streaming and **ElasticSearch** for sub-second supply chain searches.
- Automated **2M+ record** processing with Spring Batch, cutting job runtime by **50%**.
- Implemented **Grafana** monitoring, reducing performance issue detection time by **25%**.

Software Development Engineer Intern

GE Healthcare

May 2022 – July 2022

Bengaluru, India

- Developed Python-based testing scripts for ARC device APIs, improving test coverage by **25%**.
- Optimized SQL queries for healthcare data processing, reducing runtime by **20%** for 10k records.
- Automated unit tests for backend services, cutting manual testing time by **30%** for 50+ endpoints.

PROJECTS

Supply Chain Sampling System | *Java, Spring Boot, PostgreSQL, Kafka, ElasticSearch*

Jan. 2025

- Built **REST API** and **BFF** services with **Spring Boot**, processing **1k POs/day** for supply chain sampling.
- Designed **PostgreSQL** schema for **150 items/PO**, enabling efficient sample data storage.
- Integrated **Kafka** producers/consumers for **5k status events/day**, automating Pass/Fail workflows.
- Implemented **ElasticSearch** for sub-second reporting and data exploration across **1.5M records**.
- Optimized **ER diagram** and indexing, reducing **PO query latency** by **30%**.

BeatSync Battle Platform | *Python, FastAPI, MongoDB*

Jan. 2021

- Developed **REST API** for beat competition platform, handling **1k daily uploads**.
- Designed **MongoDB** schema with scoring logic, ranking **500 creators** by interactions.
- Implemented **JWT** authentication and **cron-based** scoring for real-time leaderboards.

EXTRA-CURRICULAR ACTIVITIES

CodeStreet, NIT Rourkela | *Coordinator (AY 2022-2023)*

2022-2023

CodeStreet is the competitive programming and software development club of NIT Rourkela.

- Coordinated 5+ coding workshops on Java and Python, mentoring 50+ students in backend development.
- Organized CodeRush 2022, a 200-participant hackathon, leading backend API development for judging platform.

TECHNICAL SKILLS

Languages: Java, Python, NoSQL, SQL, Shell

Databases: MongoDB, PostgreSQL, Redis

Frameworks/Technologies: Spring Boot, Kafka, GraphQL, FastAPI, ElasticSearch

Cloud & DevOps: AWS (EC2, Lambda, S3, RDS), Docker, Prometheus, Grafana

Tools: Git, IntelliJ, Linux, Jenkins, K6