

# Yatharth Gupta

## Software Engineer

A technology enthusiast with three years of experience in designing, developing, and optimizing software solutions.

## Education

Indian Institute Of Technology BHU

B.Tech (Electronics) (2021)

CGPA : 8.63

Class 12th CBSE (2017)

94.4%

## Contact

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## Technical Knowledge

- Data Structures and Algorithms
- System Design
- Operating Systems
- Web Development (Full stack)

## Technologies:

- Programming Languages: Java, C++, JavaScript and Python.
- Back-end: Spring Boot and API Gateway management using Kong.
- Front-end: Angular, GWT, React.
- Event-Driven Architecture: RMQ, Kafka, and AWS EventBridge.
- Data Storage: MariaDB, PostgreSQL, MongoDB, Redis, Drools, OpenSearch.
- DevSecOps: Snyk, DefectDojo, DependencyTrack, and ThreatMapper.
- Infrastructure: Docker, Kubernetes, Ansible, Terraform, Jenkins

## Achievements & Extra Curricular

- Secured AIR **1660** in JEE ADV, 2017.
- Writing blogs on software engineering.
- 2nd in myKaarma AI hackathon 2023.
- AIR 6 in MLware (Technex) on Kaggle.
- Organized Mosaic, an event on computer vision in Udyam'20.

## Professional Experience

○ June 2021 - Current

MyKaarma - Noida, India

### Software Development Engineer - 2

- Built user onboarding flows, a tracking system and a monitoring dashboard improving the experience and **decreasing onboarding time by ~80%**. **Exposure:** Springboot, Angular, Appcues, GWT, MongoDB, Iframes.
- Microservices-based backend and dashboard to create and manage teams and licenses. **Exposure:** SQL DB designing, Springboot, Angular, GWT.
- GitHub bot to automate the GitHub PR approval process and deployed as a serverless app on AWS Lambda.
- Setting up a mail server with all DNS settings to prevent the hard bouncing of mails **reducing the rate from ~4% to ~0.2%**.
- Automated workflow system using drools **reducing setup time from 1 day to ~2 mins**. **Exposure:** Drools, RabbitMQ, Spring boot, Angular.
- Built vulnerability and license compliance tracker and control system which **helped reduce vulnerabilities by ~60% in just 4 months**.

○ May 2020 - April 2021

MyKaarma - Noida, India

### Software Development Intern

- Built a Global Map Library and integrated with 2 of our services. Developed Rest endpoints for live tracking of trip and CRUD operations.
- Generic user-friendly UI for creating rules along with a backend to convert the rules to drl using Drools fluent API and storing them into MongoDB.
- Made the scheduler service ADA compliant **boosting the lighthouse accessibility score from just 66% to 94%**.

○ Oct 2020 - Jan 2021

Rivia.AI - Bangalore, India

### Software Development Intern

- Created REST services for integration with Shopify, WooCommerce and Magento **reducing the customer onboarding time by ~90%**.
- Built tools to generate invoices, pickup lists and upload customer addresses to optimo-route using Python.

## System Design Experience

○ User Login Flow (Solo)

- Designed and developed a completely new user login experience.
- Created both HLD and LLD for the new architecture and developed it alone.
- Had **100% promoters** after the 1st survey with our customers.

○ Opcode Management (Solo)

- Developed service for opcodes with dependency on 6 different teams.
- With a load of more than **~20M requests/day**, it was rolled out successfully.

○ Workflow Rules Engine (Team of 2)

- Designed and developed the complete architecture to allow users to create completely flexible rules through an easy-to-understand UI.
- It currently handles a load of more than **2 million events in just 30 minutes**.