

# Sooraj Aryan

## Software Developer Engineer

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### SKILLS

**Languages & Frameworks:** Python, Java, Spring Framework, Spring Boot, React, JavaScript

**Database & Data :**SQL (PostgreSQL, MySQL), NoSQL (MongoDB)

**APIs & Messaging :**RESTful APIs, Microservices

**Tools & DevOps :** Git & GitHub, Maven, Docker, GitLab CI, JUnit

**Machine Learning & Modeling:** Regression, Classification, Random Forest

### WORK EXPERIENCE

**Java Developer Trainee** - HulkHire

*October 2025 - Present | Hyderabad (Remote)*

- Contributed to backend development projects using **Java**, **Spring Boot**, and **RESTful APIs**. Implemented **PayPal payment gateway integration** and optimized API performance.
- Assisted in developing and testing **microservices** for modular architecture.
- Participated in **code reviews**, **unit testing**, and **API documentation**.

**Data Analyst** - Adani Group

*June 2024 – June 2025 | Ahmedabad, India*

- Collected and preprocessed manufacturing data (Vertical Roller Mill) using **Python** and Excel.
- Developed basic machine learning models to analyze energy usage and created Power BI dashboards to visualize operational metrics.
- Identified data patterns for operational improvements and collaborated with the team to ensure data quality and consistency.

### RECENT PROJECTS

**AI-Powered Chat Application** | [Github](#) | [Weblink](#)

*October 2024 – Present*

*A full-stack, monolithic web application that uses a third-party AI to provide real-time chat responses and saves all conversation history.*

- Technologies:** Java 21, Spring Boot, Spring Web, Spring Data MongoDB, Thymeleaf, **WebClient**, Maven, Railway (Cloud Deployment), Mistral AI.
- Developed** a complete, server-rendered application using **Spring Boot** and **Thymeleaf**, demonstrating a strong understanding of the monolithic architecture.
- Built** a robust RESTful API to handle user chat requests and serve the complete chat history on page load.
- Integrated** a third-party generative AI by making authenticated (Bearer Token) API calls to the Mistral AI service using Spring's non-blocking, reactive **WebClient**.
- Managed** data persistence by modeling and storing all chat entries (questions, answers, and timestamps) in a **MongoDB** NoSQL database using Spring Data.
- Configured** the application for a production environment by externalizing secrets (like `MISTRAL_API_KEY`) and database URIs (`MONGO_URL`) using environment variables.
- Deployed** the entire two-service application (Spring Boot app + MongoDB) to the **Railway** cloud platform, debugging and resolving startup failures related to database and variable configuration.

### EDUCATION

**Marketing & Analytics** | MSRIM Bengaluru | 2022 – 2024

**Electrical Engineering** | Gov. Engineering College Bikaner | 2016 – 2020

### CERTIFICATIONS

- Machine Learning by DeepLearning | [Certificate](#)
- IBM Generative AI Engineering Specialization | [Certificate](#)
- IBM Full Stack Software Developer | [Certificate](#)