

# Bhaskar Joshi

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**Portfolio:** <https://bhaskarjoshiportfolio.vercel.app>

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## Professional Summary

Motivated and detail-oriented Computer Science Engineering student (B.Tech, 2023–2027) with strong foundations in Data Structures & Algorithms, Operating Systems, and Computer Networks. Skilled in building scalable full-stack applications using React.js, Next.js, Java, Spring Boot, Redis, SQL/NoSQL databases, Elasticsearch, and microservices architecture. Experienced in implementing secure authentication with OAuth2 and JWT, and integrating asynchronous communication using Kafka.

Proficient in cloud deployment and DevOps, including AWS EC2, AWS S3, AWS ECR, Docker & Docker Swarm, and AWS IAM for cloud security. Experienced in monitoring and logging using Grafana and Prometheus, scaling applications with Kubernetes, and using NGINX as a reverse proxy. Built CI/CD pipelines with GitHub Actions to automate Docker image creation and deployment.

Passionate about system design, distributed systems, and emerging technologies such as Agentic AI and Retrieval-Augmented Generation (RAG). Actively seeking opportunities in software development, full-stack, and backend engineering, with a focus on building production-ready, scalable, and cloud-enabled applications.

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## Education

**Surajmal University, Kichha, Uttarakhand**

Bachelor of Technology in Computer Science Engineering (2023 – 2027)

2023 - Present

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## Skills

- **Frontend:** React.js, Next.js, HTML5, CSS3, JavaScript, TailwindCSS, Redux.js, MUI.
  - **Backend:** Java, Spring Boot, REST APIs, Microservices.
  - **Databases:** MySQL, PostgreSQL, Redis, Firebase, Elasticsearch, NoSQL.
  - **Tools & Platforms:** Git, GitHub, Postman, Docker, NPM, Swagger, Render, Netlify, Vercel, n8n, AWS.
  - **Cloud & DevOps:** AWS EC2, AWS Lambda, AWS S3, AWS ECR, Docker, Docker Swarm, Spring Cloud, CI/CD (GitHub Actions).
  - **Security:** OAuth, OAuth2, JWT, Spring Security.
  - **Other Skills:** Payment Integration (Razorpay), Kafka for async messaging.
  - **Concepts:** OOP, DSA, Load Balancing, Middleware, Sharding, Vertical & Horizontal Scaling.
  - **Soft Skills:** Problem Solving, Team Collaboration, Continuous Learning.
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## Projects

**Cloud-Native Multi-Vendor E-Commerce Platform Using Microservices**

**Github:**

<https://github.com/joshibhaskar684/E-commerce-frontend>

<https://github.com/joshibhaskar684/E-commerce-frontend-Seller>

<https://github.com/joshibhaskar684/E-commerce-backend>

**Website :**

<https://www.quicksin.in/>

<https://seller.quicksin.in/>

- Architected and developed a scalable cloud-native multi-vendor e-commerce platform using Next.js, Redux, Spring Boot, and Java with a distributed microservices architecture, implementing services for authentication, product, order, vendor, and payment management.
- Built an event-driven system using Apache Kafka (KRaft mode), Netflix Eureka, and API Gateway to enable asynchronous order processing, service discovery, load balancing, and secure JWT-based role authentication for customers, vendors, and admins.
- Integrated MySQL and MongoDB for hybrid data management, containerized services with Docker and Docker Compose, and developed a responsive Next.js frontend with real-time product browsing, cart management, and vendor dashboards, improving scalability, fault isolation, and maintainability.

**Tech Stack:** Next.js, Redux, JavaScript, Spring Boot, Java, Apache Kafka (KRaft), Microservices, API Gateway, Netflix Eureka Server, Docker, Docker Compose, MySQL, MongoDB, JWT (RS256)

### **AI Chat Backend System | Local LLM Integration (Spring AI + Ollama)**

#### **GitHub:**

[github.com/joshibhaskar684/Spring-AI-Project-1](https://github.com/joshibhaskar684/Spring-AI-Project-1)

- Developed a lightweight AI-powered chat backend using Spring Boot, Spring AI, and Ollama, enabling real-time interaction with locally hosted LLMs such as Llama 3 through RESTful APIs with stateless request handling and modular service architecture.
- Integrated Ollama local inference with Spring AI abstractions to support offline, low-latency, privacy-first AI execution, allowing flexible model switching, prompt customization, and secure local data processing without reliance on external cloud APIs.

**Tech Stack:** Java, Spring Boot, Spring AI, Ollama, REST APIs, Maven

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## **Experience**

### **Frontend Developer Intern | VhBuyio**

June 2025 – August 2025

- Developed and maintained responsive web application features using Next.js and Redux.
- Implemented state management and optimized frontend performance for scalable user experiences.
- Collaborated with the development team to build reusable UI components and improve application workflows.

### **Backend & DevOps Intern | VhBuyio**

September 2025 – November 2025

- Worked on backend and DevOps operations, gaining hands-on experience with Docker, Docker Swarm, AWS EC2, and CI/CD pipelines using GitHub Actions.
- Configured reverse proxy setups and deployment workflows to improve application scalability and reliability.
- Assisted in containerized application deployment and infrastructure management in cloud environments.