

SPARSH KUMAR

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🎓 EDUCATION

Uttarakhand Technical University

Bachelor of Technology, Computer Science Engineering

August 2021 – Sept. 2025

Dehradun, Uttarakhand

Lucknow Public School

Higher Secondary Education

April 2018 – March 2020

Lucknow, Uttar Pradesh

⚙️ EXPERIENCE

Software Development Engineer Intern

Nov 2024 – Dec 2024

Bluestock Fintech

Remote

- Developed and optimized backend services using Python and modern frameworks.
- Built and integrated secure, scalable APIs to enhance fintech solutions.
- Collaborated with a cross-functional team to improve system performance and reliability.

Developer Intern

June 2024 – July 2024

InnoByte Services

New Delhi, India

- Gained comprehensive expertise in building monolithic applications and successfully transforming them into **Microservices** using Spring Boot.
- Developed projects leveraging Spring Boot, demonstrating proficiency in **Spring Boot Actuator**, and **Postman** for **seamless API interactions**.
- Demonstrated proficiency in **API gateways** and **implemented strategies for secure and efficient routing** within a microservices ecosystem.

Summer Research Intern

July 2023 – Sept 2023

LinuxWorld Informatics

Jaipur, Rajasthan

- Developed cloud-based projects utilizing **AWS services** such as **IAM**, **Lambda**, and **VPC**.
- Automated **DevOps workflows** with **Docker**, **Kubernetes**, **Jenkins**, and **Terraform**.
- **Enhanced security** by implementing best practices for IAM policies, least-privilege access, and network segmentation.

🔗 PROJECTS

Job Application System | *Java, Spring Boot, PostgreSQL, Docker, Kubernetes, RabbitMQ, Zipkin* | [GitHub](#)

- * Leveraged **Spring Framework**, **Docker**, **Kubernetes**, **Eureka** and **Resilience4J** to deploy scalable and robust microservices.
- * Implemented advanced features such as **inter-service communication**, **message queues**, and **centralized configuration management**.
- * Enhanced system reliability and efficiency using **Zipkin** for tracing, **Eureka** for service discovery, and **RabbitMQ** for **asynchronous communication**.

Online Quiz Application | *Java, JDBC, Java Swing, JavaFX* | [GitHub](#)

- * Developed an interactive online quiz application using **Java** and **JDBC**, incorporating user authentication, quiz management, and real-time feedback features.
- * Implemented a progress tracking system that enhanced user engagement, contributing to a **40 percent increase** in participation.
- * Streamlined data persistence and retrieval, **optimizing the application's performance** for scalability and long-term use.

Cloud-Menu Website | *Python, Langchain, OpenAI, AWS Cloud Services, Frontend tools* | [GitHub](#)

- * Developed an **AWS-hosted** web menu showcasing a live interpreter, Docker functions, AI chat, and more.
- * Implemented **AJAX** to enhance user interactions and ensure a highly responsive user experience.
- * Leveraged various technologies such as **python development using Langchain framework** and **OpenAI**, **AWS cloud services**, **containers**, and **generative-AI** to deliver a cutting-edge solution.

🔧 SKILLS


Programming Languages: Python, Java, Bash/Shell, YAML


Frameworks/Libraries: HTML, CSS, JS, AJAX, SpringBoot


Backend Development: API Development, Performance Optimization

Tools: Docker, Kubernetes, Linux, Terraform, Jenkins, Git, AWS, Postman

🏆 CERTIFICATIONS

Cloud Technical trainings and Events certificates |  [Verify](#)

Oracle Generative AI Certified Professional | ID: 313014256OCI2024GAIOCP |  [Verify](#)

Postman API Fundamentals Student Expert |  [Verify](#)