

HRITIK RAJ

Ghaziabad, Uttar Pradesh

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TECHNICAL SKILLS

Languages: Java (OOP, Streams, Collections), Python, SQL, C/C++

Technologies/Frameworks: Spring Boot, Spring Security, RESTful APIs, Docker, Kubernetes, Linux Shell Scripting, MySQL, JDBC

Developer Tools: Git, GitHub, CI/CD Pipelines, IntelliJ IDEA, VS Code, AWS (S3, EC2)

EXPERIENCE

The Linux Foundation (LFX)

Jan 2026 – Present

LFX Mentee – LF Energy

Remote

- Selected as one of the few global mentees for the **LF Energy Winter '25** term to contribute to open-source power system and grid infrastructure software.
- Collaborating with international maintainers to enhance **Java-based** microservices, focusing on system scalability and robust backend architecture.
- Utilizing **Docker** for containerization and environment consistency, ensuring seamless deployment across distributed systems.
- Actively participating in professional open-source workflows, including rigorous code reviews, issue tracking in Jira/GitHub, and weekly technical syncs.

Web Developer at Google Developer Group AKGEC

June 2025 – Present

Role - Backend Developer

Ghaziabad, India

- Built and maintained RESTful APIs using Spring Boot for internal tools and community projects.
- Collaborated with cross-functional teams to ensure seamless integration and optimized API performance.

PROJECTS

Groundwater Management System-SIH 2025 | [Spring Boot](#), [ML Integration](#)

Sep 2025

- Developed a backend system using Spring Boot to manage and serve machine learning models for groundwater level prediction based on DWLR datasets.

Backend of Social Media Website. | [Spring Boot](#), [MySQL](#)

July 2025

- Developed a scalable backend for a social media platform using Spring Boot and MySQL, focusing on high availability and efficient database design.
- Implemented RESTful APIs and Spring Security for secure authentication.

Bank Management System | [Java](#), [Swing](#), [JDBC](#), [SQL](#)

Jan 2025

- Created an ATM-like system for banking transactions using Swing and SQL.
- Build user-friendly interfaces with Swing and AWT.

Plant Disease Detection System | [Python](#), [TensorFlow](#)

Sep 2024

- Developed a machine learning model to detect plant diseases, participated in Code Cubicle 2.0
- Trained this model on an extensive dataset of over 17,000 images, covering more than 30 plant species.

EDUCATION

Ajay Kumar Garg Engineering College, Ghaziabad

2023 – 2027

B.Tech - Computer Science and Engineering

Ghaziabad, Uttar Pradesh

Bonne Anne Public School, Moradabad

2021 – 2023

XII (CBSE)- PCM

Moradabad, Uttar Pradesh

CERTIFICATIONS

The Linux Foundation: Securing Projects with OpenSSF (LFEL1006), A Beginner's Guide to OSS (LFD102)

Google Developers Group: Solution Challenge 2025 Participant (Spring Boot & Java focus)

HackerRank: Python (Basic) Skill Certification (Credential: 28818CBD15B5)

Geek Room: Code Cubicle 2.0 Hackathon Participant (ML/Plant Disease Detection focus)

EXTRACURRICULAR

Technical Interests: Open-source contributor; experienced in flashing custom ROMs and AOSP-based OS optimization.

Personal: Regular strength training and fitness (discipline-focused); astronomy and space research enthusiast.