

Shresth Bhargava

Backend Engineering — Java — Spring Boot — Open Source Contributor

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— LinkedIn

Education

VIT Bhopal University

Expected 2028

B.Tech in Computer Science Engineering

CGPA: 6.63/10

Technical Skills

Languages: Java, Python, JavaScript, SQL, C++

Backend: Spring Boot, REST APIs, Hibernate, JPA, FastAPI, Node.js, Express.js

Databases: PostgreSQL, MySQL, MongoDB, Flyway

Cloud DevOps: Docker, Docker Compose, GitHub Actions, CI/CD, Linux, AWS EC2, AWS S3, AWS IAM

Testing: JUnit 5, Mockito, Testcontainers

Tools: Git, GitHub, Maven, Postman, Swagger/OpenAPI, IntelliJ IDEA

AI/ML: Scikit-Learn, Pandas, NumPy, SHAP, LangChain, LangGraph, Gemini API

Projects

CivicOS

Spring Boot — PostgreSQL — React

GitHub — Live Demo

- Built a civic-tech platform that maps public issues to accountable government authorities and departments.
- Implemented recursive PostgreSQL CTEs for accountability-chain traversal and jurisdiction mapping.
- Designed REST APIs with validation, exception handling, Flyway migrations, and structured logging.
- Added Docker deployment support and integration testing using JUnit and Mockito.

HandymanHub

Spring Boot — MySQL — Docker

GitHub

- Developed 30+ REST APIs supporting workers, contractors, customers, skills, and booking workflows.
- Implemented worker discovery using skill-based and pincode-based filtering.
- Designed booking lifecycle management with business-rule validation and state transitions.
- Added Flyway migrations, Logback logging, JUnit testing, and Docker containerization.

AutoResearch AI

Gemini — LangGraph — FastAPI — Next.js

Github — Live Demo

- Built a multi-agent AI system generating Business Requirement Documents from PDFs, screenshots, and notes.
- Implemented research, market analysis, architecture, and BRD generation agents.
- Automated SWOT analysis, competitor benchmarking, and feature recommendation workflows.
- Deployed the application using Hugging Face Spaces and Vercel.

Open Source Experience

Open Source Contributor — GirlScript Summer of Code (GSSoC 2026)

May 2026 – Present

- Merged 39+ pull requests across multiple open-source repositories.
- Earned 5,255+ contribution points and ranked among leading contributors.
- Implemented feature enhancements, bug fixes, UI improvements, and documentation updates.
- Collaborated with maintainers through code reviews, issue discussions, and pull-request workflows.

Achievements

- Solved 260+ Data Structures and Algorithms problems across LeetCode, GeeksforGeeks, CodeChef, and HackerRank.
- Ranked among top contributors in GSSoC 2026 with 39+ merged pull requests.
- Built and deployed multiple production-grade backend applications independently.
- Active participant in hackathons, open-source programs, and software engineering initiatives.

Certifications

AWS Cloud Practitioner Essentials GitHub Foundations Linux Foundation LFD102 – Open Source Software Development