

Rishav Raj

New Delhi, India | rishav042023@gmail.com | +91 9311571439 | [Linkedin](#) | [GitHub](#)

Objective

B.Tech graduate proficient in modern server-side technologies, databases, and cloud platforms, eager to contribute technical expertise and problem-solving abilities to a dynamic software engineering team in an entry-level capacity.

Technical Skills

Programming Languages: Java, Python, SQL

Backend frameworks: Spring Boot, FastAPI

Databases: PostgreSQL, Redis

Tools: Postman

Cloud & DevOps: AWS, Docker, Git/GitHub, Jenkins, Linux

Education

B.Tech in Computer Science, VIT Bhopal University

Sept 2022 – May 2026

- CGPA: 8.47/10

Projects

Intelligent Research Assistant, (Link) VIT Bhopal

Aug 2025 – Sept 2025

- Built a Chrome extension leveraging Google's Gemini-2.0-flash API to provide powerful, AI-driven content analysis, including text summarization and contextually relevant topic suggestions.
- Ensured high performance and efficient handling of asynchronous API calls by integrating WebFlux to manage concurrent data streams efficiently.
- Designed a modular and scalable backend architecture, designed for seamless integration with any frontend application for real-time research assistance.
- Achieved sub-100ms response times with architecture scalable to handle thousands of concurrent API requests.

High-Performance URL Shortener Service, (Link) VIT Bhopal

Jul 2025 - Aug 2025

- Developed a scalable URL shortening service to handle large-scale traffic while maintaining low latency and high availability.
- Engineered a production-ready REST API using FastAPI, implementing load balancing to manage concurrent requests.
- Built Redis-based caching system achieving **99.2%** cache hit rate and quick response times.
- Implemented database connection pooling and async operations improving throughput.
- Created **rate limiting** middleware preventing abuse with IP-based throttling and API key management.

AI-Powered Resume Analyzer ATS Optimizer, (Link) VIT Bhopal

Mar 2025 – Apr 2025

- Engineered a high-performance REST API using FastAPI serving multiple concurrent users with reliable up time.
- Implemented resume parsing with 92% accuracy in extracting skills, experience, and education data
- Utilized Render to automate the build and deployment process, reducing deployment time by 90% compared to manual server configuration.

Achievements

- **Problem Solving:** Solved 400+ coding problems on LeetCode and HackerRank, focusing on algorithms and system design.
- **Hobbies:** Published 15+ technical blogs on backend development, generating 100+ monthly views and engaging 30+ developers in the community.
- **Hackathon:** Landed a top 10 finish out of over 250 teams at the InnovativeYou Techathon in Pune.