

# RS Krishna

krishna61223@gmail.com | (+91) 9511113068 | github.com/KRI5HNA-04 | linkedin.com/in/rs-krishna

## PROFESSIONAL SUMMARY

Software Engineer with a solid foundation in full-stack development and a growing focus on backend systems, data processing, and distributed platforms. Proficient in Python, Java, and SQL with hands-on experience in building scalable, high-performance applications. Splendid at collaborating across teams to deliver reliable solutions aligned with business needs.

## SKILLS

**Languages:** Python, JavaScript, TypeScript, C/C++, Java, HTML5, CSS3

**Frameworks / Tools:** VueJS, React, Tailwind CSS, Bootstrap, Cypress, Playwright, Shell Scripting, Node.js, Express, FastAPI, Django, Kafka

**Databases:** MongoDB, PostgreSQL, MySQL, FAISS, Elastic Search, Redis

**Concepts:** Git, GitHub, GitLab, Postman, Vite, Webpack, Babel, ESLint, Prettier, VS Code, Chrome DevTools, REST APIs, Agile Methodologies, CI/CD, SDLC, Component-Based Architecture, Cross-Browser Compatibility, Semantic Search, Information Retrieval

## RELEVANT PROJECTS

### CarbonSense – AI-Powered Environmental Insights (Apr 2025)

- Improved API responsiveness by 30% by developing a scalable backend in Python and FastAPI to handle 10K+ data points/day.
- Boosted search accuracy by 35% with FAISS-based semantic filtering, cutting query time by 40%.
- Reduced QA time by 25% through system validation using Streamlit and 50+ Playwright tests.

### Pathwise – Adaptive E-Learning Platform (Mar 2025)

- Delivered real-time content to 1,200+ users via async PostgreSQL and WebSocket workflows.
- Cut debugging time by 45% by integrating a Gemini chatbot with structured logging.
- Achieved 99.9% uptime with 100+ Cypress tests and system profiling.

### Collaborative IDE (Jul 2024)

- Enabled real-time editing for 10+ users with sub-100ms latency using Python and WebSockets.
- Reduced access issues by 60% with role-based controls and audit logging.
- Improved collaboration speed by 25% by optimizing parsers for 15+ languages.

## EXPERIENCE

### ISTE Student Chapter, Chandigarh University

Sep 2024 – Mar 2025

Joint Secretary

- Directed backend development for 10+ R&D projects, improving API performance by 30% and ensuring system reliability under concurrent use.
- Launched a real-time event platform with integrated monitoring and logging, supporting 500+ active users during campus tech events.
- Automated key workflows across cross-functional teams, reducing manual planning efforts by 40% and accelerating project delivery timelines.

## EDUCATION

### Chandigarh University, Mohali

Aug 2022 – Jun 2026

B.E. in Computer Science and Engineering

CGPA: 8.4/10

**Relevant Coursework:** Data Structures, Algorithms, Operating Systems, Distributed Systems, DBMS

### Heritage International School, Jammu

May 2021 – May 2022

High School (12th)

CGPA: 9.1/10

### Mantora Public School, Kanpur

May 2019 – May 2020

Secondary School (10th)

CGPA: 9.0/10

## AWARDS AND CERTIFICATIONS

- Ranked in the **top 2%** of Cloud Computing course at IIT Kharagpur
- Secured **AIR 126** in Code Studio national programming competition
- Pre-Finalist in **5+** Inter-state hackathons
- Scored **100%** in Internshala Web Development Course (Top Performer)
- Compiled 5+ research papers on ML, AI, and data architecture topics