

Rakesh Honawad

Software Engineer — Cloud & DevOps Enthusiast

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EDUCATION

M S Ramaiah Institute of Technology

Bachelor of Engineering - Electronics and Communication Engineering

Bengaluru, Karnataka, India

October 2021 - December 2024

Government Polytechnic College

Diploma - Electronics and Communication

Belagavi, Karnataka, India

July 2018 - October 2021

TECHNICAL SKILLS

Programming Languages: Java, C++ , Go, Python

Core CS Concepts: Object-Oriented Design, Data Structures & Algorithms, Complexity Analysis, Problem Solving

Systems & Cloud: Operating Systems, Terraform, Microservices, Cloud Computing (AWS), Kubernetes, Docker

Databases: MySQL, PostgreSQL, MongoDB, SQL, ORM (JPA, Hibernate)

APIs & Frameworks: RESTful APIs, JUnit, JDBC, Maven

Development Practices: Test-Driven Development (TDD), Agile, CI/CD Pipelines, Performance Optimization

Tools: Git, GitHub Actions, Linux, Postman, IntelliJ IDEA, VS Code

WORK EXPERIENCE

Java Developer Intern

Istudio, Remote

May 2025 - August 2025

- Engineered modular Java applications using OOP principles, reducing deployment time by 30% through rigorous testing methodologies.
- Implemented test case strategies to validate application performance and address deployment challenges effectively.
- Utilized Git for detailed troubleshooting workflows, enhancing code traceability and improving problem-solving efficiency.

Signal And Telecommunication Intern

South Western Railways, Karnataka, India

February 2024 - April 2024

- Analyzed system logs and intranet performance metrics to assist with issue detection in network infrastructure.
- Documented fault conditions and collaborated with supervisors to implement patch solutions, reducing recurring faults by 30%.
- Gained hands-on experience in structured problem-solving within critical communication systems, contributing to improved operational efficiency.

IoT Intern

SGC Infotech, Karnataka, India

August 2021 - September 2021

- Built IoT solutions with Arduino and Blynk, reducing real-time alert latency by 30% and achieving 95% data accuracy across 3 projects.
- Integrated GSM/GPS modules for remote tracking systems, cutting manual monitoring hours by 50% through automation.

PROJECTS

- My Portfolio:** Designed and built a responsive developer portfolio using React, Vite, and Tailwind CSS, increasing user engagement by 40%. [GitHub](#)
- AI Proctoring System:** Engineered an AI-based monitoring tool using Python and OpenCV to detect mobile phones, multiple faces, and suspicious behaviors in real time. Implemented secure role-based access and session logging for scalable deployment. [GitHub](#)
- Bookstore API:** Built RESTful APIs using Go with structured routing and handler logic. Performed CRUD operations, wrote test cases using Postman, and fixed functional bugs across iterations to ensure robustness. [GitHub](#)
- MystiGlyph:** Developed a secure cryptographic keyboard in JavaScript that converts text to symbolic language using deterministic mapping. Architected for private communication with plans to integrate AI-powered decryption via private-key models. [GitHub](#)

CERTIFICATIONS

- IBM Agile Explorer (2025) [Link](#) *Mastered Agile methodologies for iterative development of scalable systems and cloud-native applications.*
- AWS Cloud Practitioner (2025) [Link](#) *Validated foundational cloud expertise, including containerization (Docker) and orchestration (Kubernetes) principles.*