# RISHI RATHI

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## Professional Summary

Aspiring Software Engineer with hands-on experience in Java Backend Development, Spring Boot, REST APIs, and PostgreSQL. Passionate about building scalable and secure applications.

## Education

**Arya College of Engineering (RTU)** **Jaipur, Rajasthan**
*B.Tech in Computer Science & Engineering (CGPA: 9.02)* *Aug 2023 – Jul 2027*

## Technical Skills

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|---|---|
| **Languages:** | Java, Python, C++, SQL, JavaScript |
| **Frameworks:** | Spring Boot, Spring Security, Spring Data JPA, Hibernate, Java Swing, JDBC |
| **Databases:** | PostgreSQL, MySQL |
| **Tools:** | GitHub, Docker, Postman, Swagger, IntelliJ IDEA, Eclipse, Maven |
| **Dabbled With:** | AWS, Redis, Apache Kafka |

## Projects

**Email Automation Platform – Automated Sales Outreach Pipeline** **Jun 2026 – Jul 2026**
*Java, **Spring Boot**, Hunter.io API, ZeroBounce API, Gmail API* *github.com/Rishi895-Rathi/Email-automation*

- Designed a multi-stage **Spring Boot** pipeline automating contact discovery, email verification, and outreach across third-party **REST APIs** (Hunter.io, ZeroBounce, Gmail), with local send-history tracking to **deduplicate** previously contacted leads across pipeline re-runs.
- Built a manual **safety-checkpoint** confirmation step before dispatch, giving explicit human control over every outbound email batch.
- Reduced manual lead-sourcing and outreach time from **1–2 hours to under 5 minutes** per company by automating discovery, verification, and send steps end-to-end; built to streamline personal internship outreach to recruiters and hiring managers.

**TaskFlow API – REST API with JWT Auth and RBAC** **May 2026 – Jun 2026**
*Java, Spring Boot, Spring Security, JWT, PostgreSQL, Spring Data JPA, Docker* *github.com/Rishi895-Rathi/todo-api*

- Built a secure REST API with **JWT** auth, **bcrypt** password hashing, and admin/user role-based access control.
- Engineered 10+ secure endpoints for task CRUD with ownership checks, input validation, and exception handling.
- Managed data persistence using Spring Data JPA with **Hibernate ORM** and PostgreSQL; containerized with Docker.

**Hospital Management System** **Apr 2026 – May 2026**
*Java, Spring Boot, REST APIs, PostgreSQL, JWT, Redis, JavaScript* *github.com/Rishi895-Rathi/Hospital-Analysis-System*

- Developed a full-stack **Hospital Management System** using **Java, Spring Boot, REST APIs, PostgreSQL, JWT, Redis, and JavaScript**, supporting **3+ core workflows** and **10+ REST API endpoints** for patient registration, doctor management, appointment scheduling, and secure data access.
- Implemented **appointment conflict detection** and real-time **time-slot availability checks**, preventing double-booking and improving reliability of the appointment scheduling workflow.
- Integrated **Redis caching** and built the frontend for seamless API interaction; currently preparing **AWS deployment** to make the application production-ready and publicly accessible.

## Experience

**GirlScript Summer of Code (GSSoC 2026)** **May 2026 – Jul 2026**
*Open Source Contributor* *Remote*

- Contributed to Arnio codebase; submitted pull requests for **bug fixes** and feature enhancements.
- Collaborated with maintainers and an international developer community on real-world projects.
- Participated in **code reviews** and issue discussions following open-source best practices.

**Dyzian** **Aug 2025 – Sep 2025**
*Java Programming Intern — Java, REST API, MySQL, IntelliJ IDEA* *Kailash Nagar, East Delhi*

- Developed backend components in Java integrating RESTful APIs with a MySQL database.
- Implemented real-time currency conversion using the ExchangeRate-API via OkHttp HTTP client.
- Collaborated with senior developers to design and implement API endpoints for core business workflows.