

Abhinandan Karmakar

abhinandan.karmakar.3003@gmail.com — Chennai, India — +91 9735253985

[Portfolio Website](#) — [GitHub](#) — [LinkedIn](#)

Summary

Experienced Backend Developer with 3 years of expertise in designing and implementing scalable, high-performance backend systems using Java, Spring Boot, MySQL, Hibernate, and JPA. Skilled in REST API development, microservices architecture, authentication (JWT, OAuth), and database optimization. Occasionally work with HTML, CSS, and JavaScript for frontend tasks. Passionate about problem-solving, and writing clean, maintainable code.

Technical Skills

Backend: Java, Spring Boot, Microservices

Database / ORM: MySQL, Hibernate, JPA

API Development: RESTful APIs, JSON, Postman

Security: Spring Security, JWT, OAuth

Frontend: HTML, CSS, Bootstrap, JavaScript

Tools: Git, GitHub, Maven

Cloud: AWS

Certifications

- HackerRank Java Certification (Dec 2022)
- HackerRank SQL Certification (Mar 2025)
- HackerRank Problem Solving Certification (Dec 2022)
- HackerRank Gold Badge in Problem Solving - Java
- AWS Certified Cloud Practitioner (Nov 2024)

Education

B.E. - Computer Science, Chandigarh University 2018 – 2022

Higher Secondary, Midnapore Collegiate School 2016 – 2018

Personal Projects

Cybersecurity Data Management System

[GitHub: Cybersecurity Project](#)

- Built secure storage and dashboards for cybersecurity data.
- Used MySQL for structured storage.

Flight Reservation System

[GitHub: Flight Reservation Project](#)

- Flight search, booking, and check-in system.
- Stack: Spring Boot, Hibernate, MySQL.

Portfolio Website

[Portfolio Website](#)

- Created using HTML, CSS, JavaScript.
- Responsive and modern UI design.

Work Experience

Cognizant

2022 – Present

Programmer Analyst

- Developed and optimized RESTful APIs and microservices using Spring Boot, reducing response time by 30%.
- Implemented Spring Security and JWT authentication.
- Optimized MySQL queries and schema, reducing query time by 40%.
- Integrated third-party APIs, improving backend performance by 15%.

Cognizant

Jan 2022 – Jun 2022

Intern

- Built backend features using Java and Spring Boot.
- Wrote REST APIs and integrated third-party services.
- Worked on MySQL database optimization.