

# Priyanshu Birla

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## Profile

Backend developer with expertise in Java, Spring Boot, building secure RESTful APIs, scalable microservices. and contributing to quality assurance by writing automated test scripts and following STLC best practices. Proven skills in MySQL, PostgreSQL, Redis, JUnit and modern DevOps tools like Docker, Azure, Postman, Swagger, Vault and Git.

## Education

**B.Tech** – Computer Science & Engineering

J.C. Bose University of Science and Technology, YMCA, Faridabad (2022–2026)

**Relevant Coursework:** Data Structures, OOPS, OS, DBMS

## Skills

**Languages:** Core Java

**Development:** Spring Boot, HTML, CSS

**Databases:** MySQL, PostgreSQL, Redis

**Tools:** SonarQube, Jira, Grafana, JUnit, GitHub, Postman, Render, Azure, Docker

## Experience

### Software Engineer Intern

Walnut Health | June 2025-Sep 2025

- Integrated payment gateway solutions for seamless and secure transaction workflows.
- Performed API testing with Postman and automated test scenarios for payment workflows.
- Developed real-time notification module using **(FCM)** to deliver alerts for transactional events across platform.
- Utilizing HashiCorp Vault for secure storage and management of application secrets.
- Deploying and managing components on Microsoft Azure, acquiring experience in cloud infrastructure.

### Backend Developer Intern

Satya Sys | Apr 2025- Jun 2025

- Built a Spring Boot app integrated with Sarvam.ai API for real-time English Kannada translation with speech support.
- Documented API endpoints using Swagger for clear and interactive API specifications.
- Managed source control with GitHub and tracked issues for efficient collaboration.
- Containerized the application with Docker for consistent deployment across environments.
- Integrated **Gemini AI** to match user queries with the most relevant questions from the database, enabling accurate and context-aware Kannada responses.

### Backend Developer Intern

House of MarkTech | Feb 2025- March 2025

- Built secure, scalable REST APIs using Spring Boot and PostgreSQL to support critical application features and Collaborated closely with frontend and QA teams to ensure seamless integration
- Used SonarQube to analyze code quality and maintain clean, maintainable codebases.
- Automated translation API test cases using JUnit, ensuring consistent performance across environments

## Projects

### Nestays – Accommodation Platform for Students & Professionals | [LINK](#)

A web platform for students and professionals to find PGs and accommodation using an interactive map. Attracted 350+ users in the first month. Handled full-stack development, marketing, and user growth. Managed a small team for platform design, user support, and daily operations.

### Vaidya – Microservices-based Secure Healthcare Platform | [LINK](#)

Built to help doctors manage appointments, prescriptions, and patient records, while admins use a dedicated UMS for user oversight. Developed with Spring Boot, Spring Security (JWT), MySQL, Vault for secrets, Redis for caching, Swagger for API docs, SLF4J for logging, and JUnit for testing. Containerized with Docker, monitored with Grafana, and deployed on Render. Vaidya Frontend [LINK](#) created in React.js. Vaidya is designed with microservices architecture.

## Achievements

- Top 10 team at HackArcode for innovative project work
- Selected for Smart India Hackathon (SIH) for technical excellence
- Organized a hackathon at DTU during E-Summit 2025, bringing together innovative student teams.