

# Shubhodip Pal

## Java Backend Developer

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### Professional Summary

Java Backend Developer proficient in Java, Spring Boot, Data Structures & Algorithms, and MySQL, with expertise in building scalable, maintainable RESTful systems. Familiar with Docker, CI/CD pipelines, and secure Cloudflare deployments through personal projects and ongoing learning. Passionate about designing high-performance backend architectures and solving complex challenges through clean, efficient, and maintainable code.

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### Experience

#### Software Development Engineer Intern

*Bluestock Fintech, Remote*

*Aug 2025 – Sep 2025*

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### Projects

#### ExamSpace – Online Assessment Platform

[GitHub](#)   [Live Site](#)

- Architected modular REST APIs using Spring Boot, handling exams, users, submissions, analytics, classroom management and admin workflows.
- Optimized schema design using MariaDB and implemented Caffeine cache for high-performance data retrieval.
- Managed end-to-end deployment via GitHub Actions, Docker, and Cloudflare Tunnel from Google Cloud.

#### NutriSift – AI-Powered Recipe Management Platform

[GitHub](#)   [Live Site](#)

- Developed an AI-powered recipe creation and management system with a personalized meal planner, and grocery list generation, architected entirely using Spring Boot and MariaDB.
- Implemented secure JWT-based authentication and modular RESTful APIs, and structured the database to efficiently handle users, ingredients, recipes, and meal plans.
- Ensured consistent delivery by deploying natively on Raspberry Pi and exposing securely via Cloudflare Tunnel.

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### Skills

**Languages:** Java, Python

**Backend:** Spring Boot, REST APIs, JWT

**Databases:** MariaDB, MySQL

**DevOps Tools:** Familiar with Docker, GitHub Actions (CI/CD), Cloudflare Tunnel

**Concepts:** DSA, OOP, API Design, CI/CD, Agile Development

**Soft Skills:** Team Collaboration, Problem-Solving, Fast learner, Sketching

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### Education

#### B.Tech in Computer Science and Technology

University of Engineering & Management, Kolkata

*Aug 2022 – July 2026 (Pursuing)*

**YGPA: 8.17 (Till 6th Sem)**

#### Higher Secondary (WBCHSE)

Baranagore Ramakrishna Mission, Kolkata

*Jun 2022*

Percentage: 78.8%

#### Secondary (WBBSE)

Baranagore Ramakrishna Mission, Kolkata

*Mar 2020*

Percentage: 86%

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### Certifications

- Data Structures & Backend with Java – Board Infinity (Coursera)
- Alpha (DSA with Java) – Apna College
- AWS Fundamentals – Amazon Web Services (Coursera)
- Delta (Full Stack Web Development) – Apna College