

RIPAN BAIDYA

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EDUCATION

Dinabandhu Andrews Institute of Technology & Management Bachelor of Computer Applications (B.C.A.) in Computer Science	2022 – 2025 CGPA: 8.90
Khanpur Hirendra Lal Sarkar High School Class XII (Higher Secondary)	2020 – 2022 Percentage: 92.8%

SKILLS

- **Languages:** Java, C, C++, SQL, JavaScript
- **Frameworks & Tools:** Spring Boot, React, Microservices, GraphQL, Git, Docker, Kafka
- **Databases:** PostgreSQL, MySQL, MongoDB
- **CS Fundamentals:** Data Structures and Algorithms, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks, Design Patterns

EXPERIENCE

Java Developer Trainee SHA Infotech Solution Pvt. Ltd.	July 2024 – August 2024 <i>Kolkata, India</i>
<ul style="list-style-type: none">• Developed a task submission module for students to upload progress links, improving review workflow for teachers by enabling faster access to student submissions.• Configured Oracle DB instance and restored data from logical backups, improving setup speed and data availability by 30%.	

PROJECTS

FoodSphere GitHub Live	November 2024
A full-stack food ordering platform built using Spring Boot and React , enabling seamless interaction between customers and restaurant owners through secure dashboards and real-time order processing.	
<ul style="list-style-type: none">• Implemented JWT-based authentication and role-based authorization for secure user access.• Developed responsive UIs in React for browsing menus, managing carts, and placing orders.• Built a dynamic admin panel for restaurant-side order tracking and menu management.• Integrated Stripe for real-time payment processing; deployed services using Railway Cloud.	
AI-FitAdvisor GitHub Live	April 2025
An AI-powered fitness platform designed with microservices architecture using Spring Boot, offering personalized workout plans, activity tracking, and secure user management.	
<ul style="list-style-type: none">• Implemented authentication and role-based access control using Keycloak.• Designed scalable RESTful microservices with asynchronous communication via RabbitMQ.• Integrated Gemini AI API to auto-generate tailored workout plans based on user goals and preferences.	
Sorting Visualizer GitHub Live	January 2025
An interactive web tool built with JavaScript and HTML/CSS to visually demonstrate sorting algorithms in real time.	
<ul style="list-style-type: none">• Visualized popular algorithms including Merge Sort, Quick Sort, and Bubble Sort with animated transitions.• Enabled user control over animation speed and array size to aid algorithm understanding.	

ACHIEVEMENTS

- Solved **500+** problems on [LeetCode](#).
- Secured **2nd Rank** in academics at Dinabandhu Andrews Institute of Technology & Management.
- **1st** Place winner in a college-level coding competition among 50+ teams.
- Achieved **State Rank 39** in **WBCHSE Class XII** Board Examination.