RIPAN BAIDYA

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EDUCATION

Bachelor of Computer Application, Dinabandhu Andrews Institute of Technology and Management 2022 - 2025
CGPA: 8.90

Class XII, Khanpur Hirendra Lal Sarkar High School 2020 - 2022
Percentage: 92.8%

EXPERIENCE

Java Developer Trainee **July 2024 – August 2024**
SHA Infotech Solution Pvt. Ltd. *Kolkata, India*

- Worked on real-time Java backend tasks and database management, strengthening backend consistency and hands-on skills with **Oracle DB** and **SQL**.
- Created and configured an Oracle database instance and imported a logical backup, improving data availability and system setup efficiency by **30%**.

PROJECTS

FoodSphere. GitHub | Website **Nov 2024**
A scalable **food ordering web application** for restaurant-customer interaction, built using **Java, Spring Boot, PostgreSQL, React, TailwindCSS, Axios**, and **AWS**.

- Implemented **JWT-based authentication and role-based authorization** for secure access control for users and restaurants
- Developed interactive UIs for **customers to browse menus, add items to cart, and place orders seamlessly**
- Enabled **restaurant owners to manage menus**, update availability, and track incoming orders in real time
- Built a **responsive shopping cart system** with dynamic price updates and smooth checkout experience
- Integrated **Stripe Payment Gateway** and deployed services on **AWS Cloud Infrastructure**
- Designed a centralized **admin panel** to manage users, orders, restaurant listings, and delivery statuses

AI-FitAdvisor. GitHub | Website **April 2025**
A scalable **fitness platform** offering AI-driven workout recommendations and activity tracking, built with **Java, Spring Boot, PostgreSQL, MongoDB, Docker, RabbitMQ, Keycloak**, and **Microservice Architecture**.

- Utilized **Keycloak** for secure authentication and **role-based access control** across services
- Developed and deployed modular **RESTful microservices** with **RabbitMQ** for asynchronous communication
- Integrated **Gemini AI API** to generate real-time, personalized fitness plans and recommendations

Organize. GitHub | Website **May 2025**
A modular **Task management platform** designed to streamline task assignment and tracking, built with **Java, Spring Boot, PostgreSQL, React, JWT**, and a **Microservices Architecture**.

- Implemented **JWT-based authentication** to ensure secure and scoped user access
- Ensured **data consistency and fault tolerance** through reliable **inter-service communication**

SKILLS

C, C++, Java, Spring Boot, Microservices, REST, GraphQL, PostgreSQL, MongoDB, Database Management Systems, Git, GitHub, Docker, RabbitMQ, Data Structures and Algorithms, Object-Oriented Programming (OOP), Operating Systems, Computer Networks, Low Level Design, HTML, CSS, JavaScript

ACHIEVEMENTS

- Solved **500+ coding problems** on **LeetCode** (Profile) and **200+ problems** on **GeeksforGeeks** (Profile).
- Secured **2nd Rank** in academics at Dinabandhu Andrews Institute of Technology and Management.
- Achieved **State Rank 39** in WBCHSE Class XII Board Examination.