

RITWIK RUDRA

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EDUCATION

Kalinga Institute of Industrial Technology

B.Tech - CGPA - 8.85 (upto 7th semester)

2024

Bhubaneswar, Odisha

M.V.A.H Inter College

Intermediate - Percentage - 77.5%

2020

Varanasi, Uttar Pradesh

ST Xavier's International School

Matriculation - CGPA - 10

2017

Dhanbad, Jharkhand

TECHNICAL SKILLS

Languages: C++, Java, HTML, CSS, JavaScript

Tools: Git, MongoDB, PostgreSQL, Flyway, Docker, Maven

Libraries/Frameworks: React, SpringBoot, Spring, Hibernate

EXPERIENCE

NinjaCart

Jan 2024 - Feb 2024

SDE Intern - Intern

- **Led** the development of the Microservice Registry project for the NinjaKissan product with a team of **2** developers.
- Implemented **24** RESTful APIs by synergizing **SpringBoot** with **PostgreSQL**, achieving an average response time of **50 milliseconds**. and seamlessly integrating them with **Flyway** for efficient database version control and migration.
- Leveraged advanced technologies such as **ElasticSearch**, **Kafka** to enhanced search capabilities by **50%** and adeptly managed high traffic resulting in supporting **100,000** concurrent users with a **40%** reduction in system response time.

HighRadius

July 2023 - Nov 2023

Product Engineer - Intern

- Developed a **B2B Invoice Management Application**, utilized **React** with **Material UI** for the frontend, achieving a **20%** improvement in user interface responsiveness
- Implemented **10** RESTful APIs in **Spring Boot**, enabling seamless CRUD operations with **MySQL** and reducing API response time by **25%**.
- Modified the **Para** Framework for their EIPP platform, focusing on enhancing its functionality. Specifically, revamped the **DAO layer** to store data in **SQL** format instead of NoSQL, leading to a **15%** reduction in data retrieval time.
- Additionally, developed a **Kafka Plugin** to streamline communication and enhance data flow within the EIPP platform reducing message latency to under **5 milliseconds**.

PROJECTS

ProductManagementSystem

- Engineered a **robust** backend with RESTful APIs, achieving a **25%** improvement in data processing speed for product, customer, and order management.
- Utilized **Hibernate** for database mapping and persistence with **MySQL**, reducing data retrieval latency by **30%** and enhancing overall system responsiveness.
- **Technologies Used:** Spring, Struts, Hibernate, MySQL

Sorting Visualizer

- Created a website that visualizes various sorting algorithms such as **Bubble**, **Selection**, **Insertion**, **Merge**, and **Quick**.
- Incorporated features to allow users to adjust the size of the input array and the speed of the transition during the algorithm's runtime.

ACHIEVEMENTS

- **Basic and Intermediate Coding Certification**, HackerRank Website, 2021.
- Ranked **Top 5** coder among **500** participants in CodeVibe , MSC KIIT Society, 2021.
- Solved **500** question in **GeeksforGeeks** and **Leetcode**.