

Sumanta Jana

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Objective

Results-driven MCA student with strong foundations in Java, Python, JavaScript, full-stack development, and scalable system design. Demonstrated ability to deliver performance-optimized applications, accelerate feature delivery, and improve system efficiency through analytical problem-solving and rapid learning.

Education

Masters of Computer Application

- Kalinga Institute of Industrial Technology University
- Coursework : Python, Java, SQL, OOPs, Data Analytics, NLP.

Sept 2024 - Aug 2026

CGPA : 8.88/10.00

Bachelors of Computer Application

- Dr. B.C. Roy Engineering College
- Coursework : Software Engineering, DBMS, Networking, C.

Aug 2020 - Aug 2023

CGPA : 9.11/10.00

Experience

Full Stack Developer Intern

WEBEL-FUJISOFT-VARA CoE

Jun 2022 - Sep 2022

Kolkata, West Bengal

- Constructed RESTful APIs using Java microservices architecture, **reducing feature delivery time by 30%**.
- Optimized SQL query & caching, cutting **data retrieval time by 5%** and **improving page load speed by 20%**.
- Crafted client components with React and MUI, enhancing user engagement and **reducing bounce rate by 15%**.
- Enhanced backend architecture **to handle 3x more concurrent users** without performance degradation.

Projects

BudgetBee | Link | *SpringBoot, React, JavaScript, Brevo, Tailwind CSS, PostgreSQL, Git*

- Built a Spring Boot–React finance app for **100+ users** with JWT-secured APIs and **150 ms response time**.
- Optimized JPA/Hibernate queries, improving **throughput by 40%** across **1000+ daily transactions**.
- Handled email verification via Brevo SMTP with **98% success** and **5-minute token expiry**.
- Crafted a responsive React dashboard showing **5+ categories**, **cutting report time by 80%**.

Short.ly | Link | *Java, SpringBoot, React, Material UI, Tailwind CSS, PostgreSQL, Git, Postman*

- Engineered a URL shortening website with analytics, achieving **98% uptime** and **60% URL compression**.
- Secured API access using JWT for stateless authentication and token validation.
- Integrated PostgreSQL for rapid data access, **enhancing response time by 40%** under concurrent loads.
- Developed a mobile-optimized UI, reducing page **load time by 35%** and improving Core Web Vitals scores.

Pro-Summarizer | *Python, huggingface, FastAPI, RestAPI, Github Action, Docker, AWS*

- Designed and deployed an AI text summarization tool with **85% accuracy** using transformer-based NLP models.
- **Reduced API latency by 30%** with FastAPI and Docker-based optimization.
- Setup CI/CD pipelines with GitHub Actions, maintaining a **100% build success rate**.
- Implemented token-based authentication, ensuring secure API access for all endpoints.

Tech-Skills

- **Language** : Java, Python, JavaScript(ES6+), PostgreSQL, MySQL, MongoDB, HTML5, CSS3.
- **Framework** : Spring, SpringBoot, Node.js, React.js, Redux, Pandas, PyTorch, Tailwind CSS, Hibernate.
- **Familiar With** : Selenium, FASTAPI, Git, GitHub, RESTful API, Jenkins, Docker, Github Action, AWS.
- **Concepts** : OOPs, DSA, CI/CD pipeline, Databases, System Design, Microservices Architechture.

Soft-Skills

- Problem Solving
- Critical Thinking
- Team Collaboration
- Quick Learner

Certificates

- **AWS Academy Cloud Architecting** – Gained hands-on experience in AWS infrastructure and design.
- **Red Hat System Administration I** – Learned core Linux system administration and CLI operations.

Achievements

- Awarded by WEBEL-FUJISOFT-VARA for excellent performanmce thorughout Internship.
- Participated in ESSPL-Technova Hackathon, secured **3rd Runners up position**.