

SOUMYADEEP MITRA

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Email

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Summary

I am a Pre final year Computer Engineering student and web developer with hands-on experience in building complex projects using Web-sockets and Redis Pub/Sub. Proficient in Next.js, Docker, and the MERN stack, with strong knowledge of TypeScript, PostgreSQL, and SQL. Proven ability to design and develop scalable web applications, demonstrating expertise in both front-end and back-end development. Passionate about problem-solving and learning emerging technologies.

Education

Kalinga Institute Of Industrial technology

Nov 2022 – Jun 2026

Bachelor of Technology in Computer Science Engineering

Bhubaneswar, Odisha

Relevant Coursework

- Web Development:** Full-stack Development (MERN), Next.js
- Programming:** Advanced Java (DSA, Multi-threading), JavaScript/Type-script Projects
- Database Management:** SQL, NoSQL (MongoDB, Redis), Prisma
- **DevOps:** CI/CD Pipelines, Docker, Kubernetes
- **Real-time Systems:** Kafka, Redis Pub/Sub, WebSockets
- **Cloud Computing:** AWS (EC2, S3, Lambda, API Gateway), Azure Fundamentals

Technical Skills

- Languages:** Java, JavaScript, TypeScript, SQL, HTML/CSS
- Technologies/Frameworks:** Node.js, Express.js, Next.js, MERN Stack, Redis, Kafka, WebSocket, Bootstrap, Git, GitHub
- Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), System Design, Micro services
- DevOps:** CI/CD Pipelines, Docker, Kubernetes
- Cloud Platforms:** AWS, Azure
- Operating Systems:** Linux, Window

Experience

MLSA (Microsoft Student Learn Ambassador)

May 2024 -Present

Web-developer (Technical Executive)

- Building and enhancing interactive web interfaces using modern web technologies (NEXTJS).
- Collaborating with the team to integrate AI-driven features into web platforms, improving user experience and automation.
- Contributing to both front-end and back-end development, ensuring seamless functionality across the application.
- Creating responsive and user-friendly designs to ensure optimal performance across devices.
- Debugging and optimizing code to enhance application performance and reduce load times
- As a Technical Executive at MLSA, I engaged with cutting-edge technologies, organized workshops, and honed my communication and technical skills.

Projects

Chat-bot for Museum : Developed the frontend for our prototype for SIH .A dummy museum website with the chatbot integrated in it ([weblink](#)).

SHOWTIMEHUB:Developed movie booking site for a hackathon using Node.js,Next, Express, and MongoDB. Implemented real-time seat booking without concurrency issues, ensuring secure Stripe payments and JWT-based authentication. Built a dynamic seat selection grid and admin panel for cinema and screen management. Integrated Firebase for image uploads and optimized user experience through continuous improvements.([weblink](#))([code Link](#))

Frame-animation: Developed a landing page for coca-cola with frame animation on scroll ([weblink](#)).

3d-Avatar-Portfolio(ongoing) : Working on a 3d avatar portfolio to showcase my projects ([weblink](#)).