

SUDIPTO DAS

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EDUCATION

Techno Main Salt Lake

Bachelors of Computer Application

Sep 2022 - June 2025

CGPA - 7.6

EXPERIENCE

Full Stack Web Developer - Freelance

May 2025 - Present

- Developed a custom doctor appointment booking web application for a clinic making patients to schedule appointments, manage availability, and streamline clinic operations using ReactJS, Spring Boot, MySQL, and TailwindCSS.
- Delivered an end to end campus item recovery web application to help students report, and recover lost items, implementing secure authentication, role-based access, and efficient database management with MySQL and Spring Boot.
- Collaborated with the SAP InsideTrack Kolkata community to design and develop an end-to-end website to manage community operations with NextJs, Zod schema validation, MongoDB database and Arcjet rate limiting and bot protection.

TECHNICAL SKILLS

Programming Language : C++, Java

Web Technology : HTML, CSS, JavaScript, ReactJS, TailwindCSS, NodeJs, TypeScript, NextJS, SpringBoot

Databases : MySQL, MongoDB

Tools and Platforms: Git, Github, Figma

Operating System : Windows, Linux (ubuntu)

Additional Skills : Active Listening, Critical Thinking, Leadership, Problem Solving, Time Management, API Testing

Cloud : Docker, AWS (EC2, S3, IAM, SES, DynamoDB)

PROJECTS

Next Gen E-Learning Platform (*ReactJs, NodeJs, ExpressJs, MongoDB, Rest API, Socket-io, Gemini API*)

- Designed and built an interactive e-learning platform featuring structured roadmaps, curated learning resources, and personalized dashboards to enhance user experience.
- Integrated an online IDE supporting **6+** programming languages with real-time collaborative features, improving team productivity by **40%**.
- Embedded AI tools for automatic code generation, multilingual document translation, and smart summarization, reducing user task time by upto **30%**.

AI Mock Interview Platform (*NextJs, Vapi AI voice agent SDK, MongoDB, Gemini API*)

- Developed a dynamic AI-powered platform for personalized mock interviews based on user-selected parameters (company, role, experience, etc.).
- Engineered an interactive AI agent to simulate interviews, assess user responses, and generate feedback on confidence, communication, and technical performance—used by **100+** students during beta testing.
- Reduced preparation time by **35%** through automated evaluation and instant feedback.

RAG Powered Chat Application (*NextJs, Supabase, Datastax, Cohere Embedding, Langchain, Gemini API*)

- Built a content-aware chat application that allows users to query uploaded PDFs, web URLs, and YouTube videos using real-time NLP.
- Integrated LangChain, Gemini APIs, and vector databases for retrieval-augmented generation, enabling accurate contextual answers.
- Secured platform with JWT-based authentication and HTTP-only cookies, ensuring **100%** protection against XSS and session hijacking.

RELEVANT COURSES

- Computer Networking
- Software Engineering
- Data Structures and Algorithms
- System Design
- Operating System
- Object Oriented Programming