

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