

Swarnadeep Saha Poddar

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Education

Siliguri Institute Of Technology

Aug 2022 - Present

Bachelor of Technology in Computer Science and Engineering

Experience

Full Stack Developer @ Dimension Lab

Aug 2023 - Feb 2024

- Developed full-stack applications using **React.js, Node.js, Express.js, and MongoDB** for dynamic solutions.
- Built and optimized full-fledged e-commerce platforms, including product management, secure payment integration.
- Collaborated with cross-functional teams to design RESTful APIs, enhance UI/UX, and improve site performance.

MERN Developer Intern @ IIT-Delhi

Dec 2024 - Feb 2025

- Designed and developed a comprehensive LMS using the MERN stack for efficient management and student engagement.
- Implemented dynamic user roles, including Admin and SuperAdmin functionality, for streamlined platform control.
- Enhanced the platform's scalability and performance through optimized RESTful API design and responsive UI/UX

Technical Skills

Languages: C, C++, Java, Python, HTML5, CSS3, JavaScript, TypeScript, SQL

Frameworks: Next.js, TailwindCSS, Express.js, Django

Libraries: React.js, Three.js, Framer Motion, Multer, Redux, NextAuth, Prisma, JWT

Databases: MongoDB, Microsoft SQL, PostgreSQL, MySQL, Firebase DB, Supabase DB, Appwrite DB, SQLite

Developer Tools: Git, GitHub, Postman, Figma, Docker, Kubernetes, Jenkins, GCP, Azure, AWS, N8N, Langchain

Unix/Linux Systems: Bash, Shell Scripting, System Administration

Networking: TCP/IP, Network Security, Distributed Systems

Projects

Trip Blueprint — React JS, Google Maps, Google Vertex Ai, Node JS

Live Project

- An intelligent travel planning platform that leverages Google Maps and Vertex AI for real-time route optimization.
- Provides personalized itineraries, location-based recommendations, and seamless navigation.
- Designed to simplify trip planning and enhance travel experiences through cutting-edge technology.

SSPAI-CLI — JS Threads, Node, Express, MongoDB, Gemini Apis, OpenAI Apis

Live Install

- A fast, colorful & full stack terminal AI interface built for developers, by developers.
- Advance option of switching between models of **Gemini & OpenAI**
- Utilizes different libraries for thread level execution using JS Threads

SSP Gemini — Javascript, Google Gemini, Google Cloud

Live Project

- An AI-powered chatbot that utilizes **Google Gemini** to deliver real-time, context-aware assistance.
- Supports personalized responses by integrating **AI** with interactive web technologies.
- Enhances user engagement through conversational interfaces and images interactions.

Virtual Gather — Python, Django, JavaScript, Agora, WebRTC, SQLite

Live Project

- An innovative real-time virtual meeting platform powered by **Django** for a backend and **JavaScript** for frontend
- Integrates **Agora** and **WebRTC** to deliver ultra-low latency audio and video communication.
- Features spatial audio, dynamic room management, and seamless peer-to-peer connections for enhanced collaboration.

Achievements and Awards

- Solved 200+ Questions In **Leetcode**
- My Project **Trip Blueprint** Is Selected As Winner In **Google Saadhna Hackathon Winner**
- My Project **SSPAI-CLI** had 200+ active downloads in just 2 days of releasing in npm
- Served As The **Chapter Lead** of ML-SA-SIT, **Cloud Lead** of GDSC-SIT & **Arcade Facilitator** @ G-Cloud
- Contributed & Guided 100+ Student's as **Mentor** In GSoc 24 And JWOC 24
- Trip Blueprint article on **Google Cloud Official Medium Blog Page** - Medium Link