

Swarnadeep Saha Poddar

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Education

Siliguri Institute of Technology Bachelor of Technology in Computer Science and Engineering	Aug 2022 – Present
Caesar School, Malbazar Class XII – CBSE	Aug 2020 – July 2022
St. Xavier's School, Raiganj Class X – ICSE	Mar 2008 – July 2020

Experience

MERN Developer / DevOps Intern @ IIT Delhi - Built a scalable Learning Management System (LMS) backend using Node.js, Express, MongoDB , improving API - Designed role-based authentication (Admin/SuperAdmin) and optimized REST APIs for performance. - Containerized backend services using Docker and deployed automated builds via GitHub Actions CI/CD . - Integrated system monitoring, centralized logging, and uptime tracking with alerting workflows. - Worked with Linux servers, Nginx reverse proxy , and secure environment configuration.	Dec 2024 – Feb 2025
Full Stack Developer @ Dimension Lab - Developed production-ready web applications using React.js, Node.js, Express.js, MongoDB . - Implemented secure authentication, optimized API latency, and enabled server scaling for increased traffic. - Deployed services on AWS (EC2, S3, IAM) and container-based workflows using Docker . - Collaborated on microservice deployment strategies , load balancing, and environment hardening.	Aug 2023 – Feb 2024

Technical Skills

Languages: Java, Python, C++, JavaScript, TypeScript, SQL, Bash
Frameworks: Express.js, Next.js, Django, Node.js
DevOps & Infra: Docker, Kubernetes (Basics), GitHub Actions, Nginx, Terraform (Beginner), Jenkins (Beginner)
Cloud: AWS (EC2, S3, IAM), Google Cloud (Vertex AI, Cloud Run, Compute Engine), Azure (Basic)
Databases: MongoDB, PostgreSQL, MySQL, Firebase, SQLite
Systems: Linux/Unix Administration, Networking (TCP/IP, DNS, Routing), Load Balancing
Other Tools: Git, Postman, Figma, Prisma, LangChain, Redis

Projects

SSP Gemini — JavaScript, Google Gemini, Google Cloud - Developed an AI-based chatbot platform deployed on Google Cloud Run with Docker . - Implemented scalable server logic and managed real-time interactions using async APIs . - Configured service concurrency, container revisioning, and request-level security.	Live
Trip Blueprint — React, Node.js, Google Maps, Vertex AI - Built AI-driven travel planner using Vertex AI . - Integrated optimized network calls with caching and scalable backend execution. - Project selected as Winner at Google Code Saadhna Hackathon .	Live
SSPAI-CLI — Node.js, Express, MongoDB, Gemini API, OpenAI API - Built a CLI-based AI assistant with multi-threaded execution using JS Threads. - Integrated APIs for AI inference and backend task automation with minimal latency. - Modular microservice-based architecture for easier scaling and maintenance.	NPM Link

Achievements and Leadership

- Winner – Google Saadhna Hackathon 2024 for Trip Blueprint
- MLSA Chapter Lead and GDSC Cloud Lead , guiding 100+ students in full-stack, cloud, and DevOps workflows
- Mentor at GSSoC'24 and JWOC'24 , focusing on scalable backend architecture
- Solved 250+ problems on LeetCode focusing on DSA and system design
- Featured on Google Cloud Medium Blog – Article Link