

Swarnadeep Saha Poddar

GitHub — Leetcode — +91 909-308-4685 — swarnadeepsahapoddar.in — swarnadeepsahapoddar@gmail.com — LinkedIn

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	Dec 2024 – Feb 2025
- 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.	
Full Stack Developer @ Dimension Lab	Aug 2023 – Feb 2024
- 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.	

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	Live
- 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.	
Trip Blueprint — React, Node.js, Google Maps, Vertex AI	Live
- 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 .	
SSPAI-CLI — Node.js, Express, MongoDB, Gemini API, OpenAI API	NPM Link
- 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.	

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