SWARUP DAS

Sonarpur, Kolkata, West Bengal

📞 +91-6290994583 | ✉ swarupd1999@gmail.com | 🔗 swarup-d | 🐙 swarupcs | 🌐 swarupdas.dev | 🐦 swarupdcs

Education

Calcutta University   **2021 – 2024**
B.Tech in Computer Science and Engineering   *Kolkata, West Bengal*
- Cumulative GPA: **7.47/10.0**

Sammilani Mahavidyalaya   **2018 – 2021**
B.Sc in Computer Science (Hons)   *Kolkata, West Bengal*
- Cumulative GPA: **8.10/10.0**

Experience

Software Engineer   **Aug 2024 – Present**
Fi-Tek   *Kolkata*
- Developed full-stack features for enterprise financial platforms using React.js, Next.js, Node.js, Express.js, and microservices architecture.
- Optimized frontend modules with Redux Toolkit, improving UI responsiveness and reducing load time by **35%**.
- Improved REST APIs and backend microservices, reducing response time by **40%**.
- Implemented Redis caching, lowering database load by **50%**.
- Built reusable Tailwind CSS components, reducing frontend development effort by **25%**.
- Contributed to Docker-based deployments and CI/CD pipelines, cutting deployment time by **60%**.

Data Analytics Intern at CSRBOX   **Jun 2023 – Jul 2023**
CSRBOX
- Developed a diabetes prediction model using Python, Pandas, and Scikit-learn.
- Performed feature engineering, model training, and accuracy evaluation.
- Project repository: github.com/swarupcs/Diabetes-Prediction

Projects

AlgoDrill   GitHub — Live
React.js, Node.js, Express.js, PostgreSQL, Prisma, Tailwind CSS, ShadCN
- Developed a **LeetCode-inspired coding platform** supporting problem creation, submissions, and automated evaluation with public and private test cases.
- Implemented secure **code execution, submission tracking, and user progress monitoring** for interview-style problem solving.
- Built a **scalable REST API backend** using Node.js, Express.js, PostgreSQL, and Prisma.

Linkly   GitHub — Live
React.js, Node.js, Express.js, Socket.io, MongoDB
- Developed a real-time collaboration app with group and direct chats using Socket.io.
- Implemented authentication, presence indicators, and persistent messaging.

Dev-Collab   GitHub — Live
React.js, Node.js, Express.js, Socket.io, MongoDB
- Built a developer networking platform with friend requests and real-time chat.
- Ensured consistent data synchronization across messaging flows.

Shortify   GitHub — Live
Next.js, PostgreSQL, Prisma, JWT, NextAuth, SSO, Tailwind CSS
- Developed a **production-grade URL shortening platform** with custom aliases, click analytics, and link expiration.
- Implemented secure authentication using **JWT-based sessions and SSO** (Google & GitHub).
- Built a **role-based admin dashboard** for link moderation and analytics monitoring.

Technical Skills & Coding Profiles

Languages: Java, JavaScript (ES6+), C, Python   **LeetCode:** 350+ problems solved ⟠
Frontend: React.js, Next.js, Redux Toolkit, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js
Databases: PostgreSQL, MongoDB, MySQL   **GeeksforGeeks:** Regular DSA practice
Developer Tools: Git, GitHub, VS Code, Postman, Docker, Redis, CI/CD
Pipelines