

SOUVIK DEY

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PROFESSIONAL SUMMARY

B.Tech CSE (AI & ML) student and software developer who builds full-stack and AI-integrated applications end-to-end. Pairs strong fundamentals in Java, Python, and JavaScript/TypeScript with modern AI-assisted development workflows — using tools like Claude, the Gemini API, and structured prompt engineering to design, scaffold, and ship production-grade applications faster, while owning the underlying architecture, logic, and code quality. 1x hackathon winner, 4x hackathon finalist, and active open-source contributor. Maintaining a 9.2 SGPA in first-year coursework.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, C, C++, HTML5, CSS3
- **Frameworks:** React.js, Next.js, Node.js, Express.js, Tailwind CSS, Flutter/Dart
- **AI/ML & AI-Assisted Development:** Claude, Gemini API, Prompt Engineering, Machine Learning, scikit-learn, TensorFlow.js, Pandas, NumPy
- **Tools & Platforms:** Git, GitHub, GitHub REST API, Webpack, VS Code, Figma, Chrome Extension (Manifest V3), Arduino
- **Core Concepts:** Data Structures & Algorithms, OOP, REST APIs, Responsive Design, PWA, IoT/Embedded Systems

EXPERIENCE

Data Science Intern (Part-Time), Sabudh Foundation

Jul 2026 – Present | Remote/Hybrid

- Selected from a competitive applicant pool, in collaboration with STPI, to apply machine learning methodologies to real-world data processing challenges.

UI/UX Design Intern, FlyRank AI

Jun 2026 – Present | Remote

- Design wireframes and interactive prototypes using user-centered, design-thinking methodologies to improve digital product usability.

Open Source Contributor, GSSoC & NSOC

May 2026 – Present | Remote

- Ship frontend feature improvements and bug fixes across 2 concurrent open-source programs via GitHub pull requests, strengthening code-review and version-control workflows.

Technical Member, GDG on Campus – Haldia Institute of Technology

Apr 2026 – Present | Haldia

- Contribute to cross-functional technical initiatives and web development projects alongside peer engineering teams.

Freelance Frontend Developer, Self-Employed

Oct 2025 – Present | Remote

- Build and ship responsive, cross-browser web interfaces for client and personal projects using HTML5, CSS3, and JavaScript, leveraging AI-assisted tooling to accelerate delivery.

PROJECTS

- **LeetSync – LeetCode-to-GitHub Automation** (JavaScript, Chrome Extension Manifest V3, Webpack, GitHub REST API) — Built a local-first Chrome extension that auto-syncs accepted LeetCode submissions to a user's GitHub repo, handling auth, repo creation, and submission detection while keeping credentials local.
- **ResQAI** (Google Hackathon | JavaScript, AI APIs, WebSockets) — Engineered a crisis-management platform combining multi-provider AI, real-time WebSocket coordination, and AI-powered map analysis to accelerate emergency response.
- **BharatFarm** (12-Hour Hackathon | HTML5, CSS, JavaScript) — Built a farmer-support web app delivering weather monitoring, crop planning, disease detection, and cost calculation tools for Indian farming contexts.
- **Medicine Reminder Pro** (24-Hour Hackathon | PWA, HTML5, CSS, JavaScript) — Developed a Progressive Web App combining smart medication reminders, adherence analytics, gamification, voice commands, and offline support.
- **Yojana.AI** (HTML5, CSS, JavaScript, AI Integration) — Developed an AI-powered platform helping citizens discover eligible government schemes with localized, multi-language guides.
- **Campus Utility Hub** (HTML5, CSS, JavaScript, GitHub | ISTE HIT-SC Open Source 101) — Built an open-source student utility platform consolidating academic and productivity tools into one browser-based hub.
- **IPLMind** (JavaScript, AI, Game Logic) — Created an Akinator-style inference engine that asks adaptive, contextual questions to identify any IPL cricket player, with a globally learning model.

EDUCATION

B.Tech, Computer Science & Engineering (AI & ML), Haldia Institute of Technology

Sep 2025 – Dec 2029

SGPA: 9.2 (1st Year)

Class XII (CBSE), Swami Vivekananda Academy

2023 – 2025

CERTIFICATIONS & ACHIEVEMENTS

- **Certifications:** HTML, CSS, and JavaScript: Building the Web (LinkedIn Learning) · Introduction to Generative AI and Agents (Microsoft) · Introduction to Programming Using Python (LinkedIn Learning) · Introduction to Web APIs (LinkedIn Learning) · Arduino Foundations (LinkedIn Learning) · Google Skills Badge (Verified)
- **Hackathons:** 1x Hackathon Winner; 4x Hackathon Finalist — ResQAI (Google Hackathon), BharatFarm, Medicine Reminder Pro, IPLMind
- **Open Source & Platforms:** GitHub Pull Shark & YOLO badges; GitHub Pro (Student Developer Pack); active LeetCode practitioner