Sundaram Dutta Modak

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WORK EXPERIENCE

Helpee Elder Care — **Bangalore, Karnataka**
Full Stack Developer — *December 2025 – Present*

- Designed and built a case-closure verification workflow (Care Manager request → Customer Success review → approval) that surfaces pending invoices, unraised charges, and needed revisions before a case can be closed — reducing the company's backlog of unpaid invoices on closed cases by an estimated 70–80% and closing a major revenue-leakage gap.
- Owning end-to-end development of a caregiver-facing Progressive Web App (PWA); independently built and shipped Phase 1 covering caregiver onboarding, integrating AuthBridge for Aadhaar and background verification and AWS Rekognition for profile photo verification, with subsequent phases in progress.
- Built and maintain AWS-hosted internal dashboard modules (case management, invoicing, caregiver operations) using React, Node.js, GraphQL, and MongoDB.
- Automated daily summary emails and analytics reports via Node.js cron jobs, and optimized MongoDB queries and GraphQL resolvers to improve dashboard load times and API performance.

Helpee Elder Care — **Bangalore, Karnataka**
Full Stack Development Intern — *June 2025 – December 2025*

- Developed and optimized GraphQL APIs and backend models to support scalable dashboard modules, including admin features for marketing analytics, error logging, and elder-care data management.
- Collaborated with backend, frontend, and product engineers in an Agile team, improving API response times and MongoDB query performance across core dashboard modules.

EDUCATION

CMR Institute of Technology — **Bangalore, Karnataka**
Master of Computer Applications — CGPA: 8.93 — *November 2025*

Bankura Sammilani College — **Bankura, West Bengal**
Bachelor of Science, Computer Science (Hons.) — CGPA: 9.29 — *2020 – 2023*

Bankura Christian Collegiate School — **Bankura, West Bengal**
12th Grade — 91.4% — *2019 – 2020*

PROJECTS — github.com/sdm-bqa

CoreLog | React, Node.js, Express, MongoDB, Leaflet | Deployed on Vercel — **August 2026**

- Built a personal life-logging platform to track and review movies, series, books, and songs alongside a full daily journal, integrating TMDB, Google Books to auto-populate metadata (release year, season/episode counts, runtime) from a single title search.
- Designed a custom template engine that lets users define reusable journal templates with variables (e.g., "Read {{pages}} pages of {{book_name}}"), removing the need to retype repetitive daily entries.
- Implemented geotagged journal entries with Leaflet/OpenStreetMap, an integrated expense tracker, tagging, and photo uploads within entries, plus calendar and map views; designed MongoDB schemas to handle multiple content types (media logs, journal entries, templates) in a single, query-efficient model.

Virtual Mentor | React, JavaScript, Node.js, MongoDB — **November 2025**

- Built a virtual mentorship web app enabling online mentor–mentee sessions, with REST APIs (Express.js) for authentication, session tracking, and secure data storage.
- Built a responsive React UI with reusable components and dynamic routing, including dashboards for mentors and mentees to track sessions, progress, and communication.

TECHNICAL SKILLS

- **Languages:** C, Java, JavaScript, TypeScript
- **Frontend:** React, HTML, CSS, Tailwind CSS
- **Backend:** Node.js, Express, GraphQL, REST APIs
- **Databases:** MongoDB, MySQL
- **Cloud & Deployment:** Vercel
- **Developer Tools:** Git, GitHub, VS Code, Postman, Markdown
- **AI Tools:** Claude, Codex, Gemini

CERTIFICATIONS & ACHIEVEMENTS

- Claude Code in Action - Anthropic
- JavaScript Algorithms and Data Structures (Beta) Certification — freeCodeCamp
- Responsive Web Design Certificate — freeCodeCamp
- Develop Your AI Prompt Engineering Skills & SQL Essential Training — LinkedIn Learning
- Presented a doubly-linked-list seminar; won 'Techno Meet' and joined 'Aptitude Hackathon' at CMRIT.