Md Jamil Hossain

Los Angeles, CA, USA | (213) 803-1139 | mhossa29@calstatela.edu
mdjamilh.vercel.app | linkedin.com/in/md-jamil-hossain | github.com/Mdjamilh

PROFESSIONAL SUMMARY

Computer Science student (A.A., LACC, 3.52 GPA) pursuing a B.S. at Cal State LA, focused on building reliable, well-tested software. Built four full-stack projects with TypeScript, React, Python, and PostgreSQL, including AI-powered features using the Claude API. Excited to join a technology team as an intern, contribute, and keep learning.

EDUCATION

California State University, Los Angeles Expected June 2028
B.S. in Computer Science | Los Angeles, CA
Relevant Coursework: Data Structures, Programming in Python/Java, Databases

Los Angeles City College 2026
A.A. in Computer Science | Los Angeles, CA | GPA: 3.52 / 4.0

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Go, SQL, HTML, CSS
Front End: React, Next.js, Vue, Svelte, Astro, Tailwind CSS, htmx
Back End: Node.js, Express, Fastify, Hono, FastAPI, SQLAlchemy, Drizzle
Databases: PostgreSQL, pgvector, SQLite, IndexedDB
AI: Claude API, Ollama, retrieval-augmented generation
Testing & Tools: Vitest, pytest, Playwright, axe, Git, GitHub Actions, Docker, Vercel

PROJECTS (AVAILABLE ON GITHUB)

Clinic Appointment Scheduler | *Next.js, TypeScript, PostgreSQL, Drizzle, Claude API*
- Full-stack booking app: patients find a doctor, see open times and book, change or cancel; staff see the day's schedule.
- Exposes appointments through a standards-based HL7 FHIR R4 API, with unit and Playwright tests in CI.

Split Ledger | *TypeScript, React, Fastify, Zod, Drizzle, PostgreSQL*
- Shared-expense app that splits bills four ways across currencies and settles up in the fewest payments.
- Monorepo sharing schemas and money logic between front end and API; 102 tests, including property tests against a brute-force optimum.

Pantry Planner | *Python, FastAPI, htmx, CSS, SQLAlchemy, PostgreSQL, Claude API*
- Meal planner that tracks pantry expiry dates, plans the week and builds a unit-aware shopping list.
- Suggests dishes via Claude with schema-validated JSON and a rule-based fallback; about 155 tests on SQLite and PostgreSQL.

Real-time Task Board | *React, TypeScript, WebSocket, SQLite*
- Collaborative kanban board that syncs between users and tabs and merges changes made offline.

EXPERIENCE

Computer Lab Assistant 2024 – 2026
Los Angeles City College, Los Angeles, CA
- Resolved hardware and software issues for 50+ students per week, diagnosing root causes to minimize downtime.
- Maintained lab computers and supported instructors in setting up classroom technology and course materials.
- Explained technical concepts clearly to users of varying skill levels, strengthening communication and problem-solving skills.

Computer Operator 2022 – 2023
Dhaka, Bangladesh
- Performed data entry and report generation, and maintained digital filing systems and databases with accurate records.

VOLUNTEER EXPERIENCE

Campus Volunteer 2024 – 2026
Los Angeles City College, Los Angeles, CA
- Supported student services and helped organize community outreach programs and student orientation activities.

LANGUAGES

English (Fluent) • **Bangla** (Native) • **Hindi** (Conversational) • **Urdu** (Conversational)