Kavi Lu

(781) 888-3669 | kavilu127@gmail.com | github.com/Kavi-1

EDUCATION

Boston University   Boston, MA
Candidate for Bachelor of Arts in Computer Science, GPA: 3.82/4.0   *Expected May 2026*
Dean's List, Questbridge Scholar

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Computer Science II, Discrete Math, Geometric Algorithms (Linear Algebra), Computer Systems, Probability in Computing

TECHNICAL SKILLS

Programming Languages: Python · Java · JavaScript · TypeScript · HTML/CSS · SQL
Frameworks/Tools: FastAPI · Node.js · React · Material UI · Visual Studio Code · Git · Github · Docker

PROJECTS

SRT-Generator | *Python · React · Tailwind CSS*
- Built a FastAPI app with faster-whisper AI models to automate video-to-text generation for Adobe After Effects.
- Implemented a modern React/Vite frontend supporting video uploads, processing status, and SRT downloads.
- Containerized application with Docker, ensuring consistent environments and simplified deployment.
- Deployed full-stack application on AWS EC2 with CloudFront for faster, more reliable access.

House of China | *Next.js · TypeScript · Supabase · Stripe*
- Developed a full-stack solution for a small business use case, handling the complete ordering and payment lifecycle.
- Implemented secure authentication and checkout flow with Supabase Auth, supporting guest and registered users, persistent carts, and real-time order tracking.
- Optimized PostgreSQL schemas and queries for 200+ menu items, enabling efficient data retrieval, seamless multi-device access, and consistent user experience.

Personal Finance Dashboard | *Next.js · Tailwind CSS · MongoDB*
- Built a full-stack web app to track expenses and visualize spending trends using Chart.js and graphs.
- Implemented MongoDB for persistent transaction storage with add, delete, and update functionality.
- Integrated Google authentication to personalize dashboards and securely manage user data.

EXPERIENCE

Academic Grader   Sept. 2024 – Present
Boston University, Department of Computer Science   *Boston, MA*
- Evaluated CS330 (Data Structures and Algorithms) programming assignments against rubric solutions and coding standards, ensuring accurate grading.
- Provided detailed feedback on algorithm design, efficiency, and debugging strategies to support student learning.
- Collaborated with instructors to review assignment solutions and maintain consistency and fairness in grading.

IT Intern (Salesforce Platform)   June 2022 – Present
Salary.com   *Waltham, MA*
- Resolved 500+ help desk cases, improving system reliability and user satisfaction.
- Maintained and updated client records in Salesforce, ensuring accurate and consistent data management.
- Delivered research presentations on company products, translating technical findings into actionable insights.

EXTRACURRICULARS

Boston University High Performance Computing (BUHPC)   Sept. 2023 – 2024
- Collaborated on high-performance computing projects in a team environment.
- Practiced applying theoretical CS concepts to real-world problems through coding challenges.
- Stayed updated on new technologies via group discussions and peer-led sessions.