

# ABEL KASSA

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## Education

### Minnesota State University Mankato

Dec 2026

*Bachelor of Science in Computer Science, GPA: 3.87*

*Mankato, MN*

- Awards: International Maverick Scholarship Recipient, Dean's List, Taylor Corporation Computer Science Scholarship
- Relevant Coursework: Operating Systems, Programming Language, Discrete Math, Computer Architecture, Algorithms, Data Structures, Calculus I/II

## Technical Skills

**Languages:** Java, Python, SQL, TypeScript

**Frameworks/Tools:** React, Node.js, Git, GitHub, CI/CD, Firebase, MongoDB, Azure DevOps, Google GenAI

## Experience

### Software Engineer Intern

May 2025 – Present

*SEO*

*New York*

- Led feature development and team coordination for a full-stack travel planner targeting casual travelers.
- Facilitated planning, daily stand-ups, and GitHub Projects to ensure alignment across a 3-member engineering team.
- Implemented CI/CD workflows with GitHub Actions for unit testing, PEP8 linting, and deployment automation.
- Collaborated on API integration with Google GenAI, Yelp, OpenWeather, and currency services, ensuring seamless frontend-backend communication.

### Student IT Consultant

August 2024 – Present

*Minnesota State University*

*Mankato, MN*

- Configured and maintained campus workstations using Active Directory, Group Policy, and LAPS, ensuring secure and consistent software deployments across student labs and faculty offices.
- Diagnosed and resolved Tier 1 and Tier 2 issues related to Windows, macOS, and networking protocols, enhancing support turnaround by 30%.

### Virtual Insight Program

June 2024 – August 2024

*Goldman Sachs*

*Remote*

- Gained exposure to software engineering practices, emerging technologies, and industry trends through expert-led tech talks and hands-on workshops.
- Participated in virtual networking events with engineers and product professionals, expanding technical knowledge and building meaningful industry connections.

## Projects

### Travel Planner | *Python, Yelp API, Google GenAI, SQLite, Git*

July 2025

- Developed a full-stack travel planner application targeting tourists and casual travelers, providing tailored daily itineraries based on destination and interests.
- Led frontend development using JavaScript, creating an interactive and user-friendly interface integrated with a backend database via RESTful APIs.
- Integrated Google GenAI for natural language scheduling, Yelp API for top attractions, and weather/currency APIs to enhance user planning.

### Southern Minnesota Science Fair | *React, Firestore, Typescript*

January 2025

- Built a multi-role web platform to streamline project submission, review, and judging workflows for science fairs.
- Created a dynamic dashboard for judges to evaluate projects and store in Firestore, improving efficiency by 80%.
- Implemented a workflow that gets triggered on project creation, reducing evaluation errors by 30%.

### Alchemi | *NextJs, MongoDB, Azure*

August 2023

- Developed an educational platform capable of intelligently parsing course syllabi up to **500**-page documents using **MongoDB** as the database back-end and Next.js front-end.
- Integrated AI tutor bots trained on the syllabus and a dynamic quiz generator using **OpenAI API** to produce **10+** quizzes per syllabus for a personalized learning experience.

## Leadership and Activities

**ColorStack MNSU** | *Technical Director*

May 2025 - Present

**CodePath** | *Student fellow*

May 2023 - August 2025

**Ethiopian and Eritrean Associations** | *Community Relations*

Jan 2024 - May 2025