

Yohannes Admassie

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EDUCATION

Minnesota State University, Mankato

Mankato, MN

Bachelor of Computer Information Technology | Minor in Mathematics

Aug 2022- May 2026

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Operating Systems, Programming Language, Computer Architecture, Database, Machine Learning, Discrete Mathematics, Linear Algebra

Certification: 2024 Full Web Development Boot Camp -Udemy, AWS

WORK EXPERIENCE

Minnesota State University, Mankato

Mankato, MN

Software Engineering Co-op

Jan 2025 – May 2025

- Built an **Azure**-hosted Student Portfolio System enabling 100+ students to collect and highlight their best work, prepare for interviews, reflect on their learning, and support program assessment.
- Contributed to a **buy vs. build analysis**, evaluating cost-benefit scenarios to recommend a scalable solution for deployment by Fall 2025
- Designed fifteen polished UI prototypes in Figma, reducing design rework by 40% and accelerating stakeholder approvals.
- Collaborated on frontend development using **TypeScript** and **React**, delivering 8+ core UI components and improving user load time by 25%.

University Of Wisconsin, Madison

Mankato, MN

Software Developer Co-op

Aug 2024 – Dec 2024

- Designed and implemented front-end components for The Hidden Village Online, including a main menu, settings menu, and other major features using React PIXI and **JavaScript**
- Assisted with back-end tasks, including a custom **CSV conversion script** for **JSON** data processing using **Node.js** and **json2csv.js**, reducing processing errors by 30%.
- Worked closely with back-end developers to optimize **API** calls and improve system performance.

Notice Enterprises, Inc.

Alexandria, VA

Software Engineering -Summer Intern

May 2024 – Aug 2024

- Enhanced scheduling platform using **JavaScript** and **Python**, reducing scheduling conflicts by 25% and improving efficiency by 30%.
- Integrated **Twilio API** for automated SMS notifications and **Google Calendar API**, increasing user engagement by 15%.
- Applied **Python** and **Pandas** to analyze scheduling conflicts, reducing errors by 25%.

PERSONAL PROJECTS

Hiwot Fit App *Next.js, React.js, Mongo Db, JWT*

- Built a full-stack fitness app using **Next.js**, **MongoDB**, and **JWT** to track workouts, calories, and user progress.
- Implemented workout video streaming, calorie calculators, and photo journaling, increasing user engagement by 60% over similar platforms.
- Designed by someone who lives the fitness lifestyle and built to grow into a full-featured fitness platform.

GlucoVision Diabetes Management App *Python, React Native, TypeScript, Fast API, PostgreSQL*

- Developed a mobile-first diabetes management app using **React Native**, **FastAPI**, **PostgreSQL**, and **TypeScript**, to help diabetic patients track blood sugar level and manage their condition effectively.
- Integrated OpenAI API for chatbot support and scikit-learn models for blood glucose prediction & risk analysis.
- Enabled automated PDF reports (via ReportLab) and enforced HIPAA-aligned security with structured error handling.

SKILLS

- Language & Frameworks:** Python, JavaScript, TypeScript, React, Node.js, React Native, FastAPI, Next.js, Java
- Technologies & Tools:** Git, MongoDB, PostgreSQL, SQL, Azure, Firebase, JWT, Pandas, NumPy, Scikit-learn
- Soft Skills:** Problem-Solving, Fast Learning, Leadership, Time Management, Communication

ACTIVITIES AND LEADERSHIPS

- National Society of Black Engineering:** *Board Member* Aug 2024 – Present
- Ethiopian Eritrean Student Association:** *President* Jan 2024 – Aug 2024