Muhammad Taha

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EDUCATION

Bachelor of Science in Computer Science

University of Illinois Chicago | December 2025

- Major: Computer Science with Software Engineering Concentration
- GPA: 3.73/4.0
- Relevant Coursework: Data Structures & Algorithms, Systems Programming, Software Engineering, Mobile App Development, Database Systems, Software Design

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EXPERIENCE

ThinkNeuro | Technical Intern

Digital Intervention Platform for Opioid Addiction | Spring 2025

- Contributed to the design and development of a digital intervention platform using JavaScript with Svelte.
- Developed and optimized user interfaces with a focus on accessibility and engagement.
- Developed a secure progress tracking system, ensuring efficient storage and retrieval of user data.
- Worked with designers and healthcare students and professionals to optimize user engagement and accessibility for opioid recovery patients.

ThinkNeuro | Technical and Research Intern

Neuroscience/Computational Research & Development | Summer 2025

- Completed training in R programming, focusing on data-driven research methods and scientific computing.
- Collaborated with interdisciplinary teams in research groups applying CS principles to biomedical research.
- Utilized data visualization/statistical tools in R to analyze neuroscience literature and extract research trends.

SKILLS

Programming Languages: Java, Python, C/C++, JavaScript, SQL, Kotlin, R

Frameworks & Libraries: React.js, Vue.js, Node.js, Flask, Firebase, JUnit

Tools & Technology: Git, GitHub, AWS, Google Cloud, RESTful APIs, SQLite, MongoDB, Agile (Scrum), Jira

Certifications: AWS Cloud Fundamentals (ThinkCloudly), Responsive Web Design (freeCodeCamp.com)

PROJECT EXPERIENCE

Chatterbox AI – Full Stack Web Application (MERN):

- Developed an AI-powered chatbot web application using MongoDB, Express.js, React.js, and Node.js (MERN Stack).
- Integrated the Google Gemini API to enable natural language processing and dynamic conversation responses.
- Reduced API latency by 20% through optimized database queries and efficient API call structuring.
- Enhanced scalability with modular components and state management, improving response times by 30%.

PlanItOut – Java Android Mobile Application:

- Developed a social event-planning Android application using Java and MVVM architecture.
- Integrated Firebase Auth for secure login and Cloud Firestore to store and sync data for 100+ events and 50+ users.
- Utilized Realtime Database to enable real-time social features such as friend presence, event participation status, and notifications.
- Integrated Google Maps and Places APIs to support real-time event location tagging with over 300 location lookups.

Coffee Shop Management App – Vue.js 3, Python(Flask), PostgreSQL:

- Built a full-stack web application to streamline operations for a coffee shop with multi-role login (Manager/Barista).
- Developed frontend with Vue.js 3 and backend with Flask to handle 50+ employee records and 250+ coffee orders.
- Implemented backend with Flask, handling authentication, business logic, and database access.
- Implemented inventory management with real-time tracking of 50+ stock items using PostgreSQL.
- Enabled dynamic order creation and payment tracking, improving order accuracy and inventory updates by 95%.