

Ibrahim Moazzam

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EDUCATION

University of Michigan

Ann Arbor, MI

Master of Science in Information: User Experience Research and Design

May 2025

- CGPA: 3.95/4.00
- Relevant Coursework: Database Application Design, Web Design: Responsiveness and Accessibility, Advanced User Research in the Field, Needs Assessment and Usability Evaluation, Contextual Inquiry and Consulting Foundations, Interaction Design Studio, Principles of Software Design for Learning

Lahore University of Management Sciences (LUMS)

Lahore, Pakistan

Bachelor of Science in Computer Science

June 2023

- CGPA: 3.90/4.00 (Graduated with High Distinction)
- Relevant Coursework: Advanced Programming, Software Engineering, Operating Systems, Data Structures, Algorithms

SKILLS

Languages & Frameworks: React, Next.js, TypeScript, JavaScript, HTML, CSS, Python, Node.js, Flask, Django, SQL

Tools & Libraries: Claude Code, Figma, Git, AWS (Lambda, S3, SQS, DynamoDB, EC2), Storybook, PostHog, WAVE, aXe, Jira

Development Practices: Agile, Responsive Design, REST APIs, Accessibility Audits, Usability Testing, A/B Testing

WORK EXPERIENCE

LearningClues

Brooklyn, NY

Product Engineer & Accessibility Lead

May 2024 – Jun. 2026

- Spearheaded a ground-up refactor of the quiz-taking platform, standardizing 100+ React components across 13,000 code changes to improve responsiveness, strengthen accessibility, and streamline app initialization
- Architected an end-to-end D2L Brightspace integration with Python Lambdas chained through SQS to fetch, deduplicate, and store course content in S3, automating daily indexing with zero instructor effort
- Engineered bulk actions on the Admin Dashboard by pairing React multiselect with batched REST APIs writing through SQLAlchemy, cutting course setup time for university admins by up to 90%
- Drove UX improvements across products by uncovering gaps through customer feedback and user research, including 36 interviews, 25 usability tests, and 7 surveys, then shipping the resulting fixes to production
- Led accessibility audits and VPAT documentation across all systems, ensuring WCAG 2.2 AA compliance

University of Michigan

Ann Arbor, MI

Software Engineer — Peer Instruction for CS Education

May 2024 – Sep. 2025

- Resolved UI issues in the Peer Instruction (PI) interface on Runestone to improve usability for students and instructors
- Designed and implemented a full-stack dashboard using React and FastAPI, enabling instructors to view real-time insights into learning outcomes from PI sessions
- Integrated ChatGPT into Runestone and engineered prompts to simulate an asynchronous PI peer

Graduate Student Instructor — Web Design: Responsiveness and Accessibility

Aug. 2024 – Dec. 2024

- Supported 114 students with developing responsive and accessible web applications using JavaScript, HTML, and CSS through office hours and Piazza
- Reviewed and graded two exams, three assignments, and the final project to mentor 26 students
- Conducted accessibility reviews of all course materials and handled accommodation requests

PROJECTS

Fact Check Web Application — React, Flask, REST APIs, AWS EC2, Cron

Jun. 2023 – Dec. 2023

- Built a Flask app to scrape and translate articles from SochFactCheck using BeautifulSoup and the Google Translate API, making verified fact-checks accessible in Urdu
- Developed a REST-API-driven React app optimized for entry-level devices using server-side rendering, lazy loading, infinite scroll, and cached results to reduce redundant network requests