

SYED KAMRAN KHATAI

Saint Paul, MN |

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Portfolio: <https://skam16.github.io/Portfolio/>

SUMMARY

Community Faculty Instructor at Metro State University with hands-on experience teaching programming fundamentals, mentoring students through debugging and problem solving, and applying computer science principles to real-world development projects. Skilled in Java, Python, JavaScript, full-stack development, and data structures, with a passion for improving student engagement and building scalable software applications.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C

Web & Database: HTML, CSS, SQL, Firebase

Frameworks & Tools: React, Next.js, Node.js, Vercel, Git, GitHub

Core CS: Data Structures, Algorithms, Object-Oriented Programming, Code Debugging, Problem Solving

EDUCATION

- Master's in computer science – Metro State University (2025)
- Bachelor's Degree in Computer Science - VTU (2021)

PROFESSIONAL EXPERIENCE

Community Faculty / Computer Science Instructor

Metro State University — Saint Paul, MN | Aug 2025 – Present

- Teach ICS 141 — Problem Solving with Programming, focusing on fundamental programming constructs, algorithmic thinking, and debugging techniques.
- Deliver lectures, design assessments, and evaluate student performance through assignments and labs.
- Adapt teaching to diverse student learning styles and encourage student discussion and collaboration.

Computer Science Tutor

Metro State University — Saint Paul, MN | Sept 2023 – Aug 2025

- Tutored students across core CS subjects including Java, Python, C, Data Structures, and SQL.
- Supported faculty during classroom instruction and assisted students in real-time problem solving.
- Led structured study sessions to increase course engagement and academic performance.
- Simplified complex concepts with real-world examples to help students build confidence and mastery.

PROJECTS

- WhatsApp Clone (Next.js, Firebase, Vercel)
Built a real-time chat interface with Google Authentication and new chat creation.
- AI Tutor (Next.js, React, Gemini API)
Designed an AI assistant to provide assignment guidance without revealing answers.
- Rare Disease Detection using Bayesian Networks (Java, SMILE Engine)
Developed a probabilistic inference system based on radiology research findings.
- Event Rooms (Blockchain with Solidity & Ethereum)
Created a decentralized event hosting platform deployed on Ethereum test network.
- OMR Sheet Scanner (Flutter, Python, MongoDB)
Built a mobile solution to scan and evaluate multiple-choice answer sheets through image processing.
- Portfolio Website (HTML, CSS)
Made a Portfolio website for me using HTML and CSS