

SYED KAMRAN

CONTACT AND WEBSITES

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Leetcode:

<https://leetcode.com/u/khataisyedkamran/>

GitHub:

<https://github.com/skam16>

EDUCATION

Bachelor's degree

VTU

Aug 2021

Master's degree

Metro State University

Aug 2025 (Expected)

TECHNICAL SKILLS

Coding, Tutoring,

Java, Python, JavaScript

Next.js, React, Node.js

HTML, CSS

Firebase, SQL

Data Structures and

Algorithms

Prompt Engineering, AI

GitHub

SUMMARY

Graduate student at Metro State University pursuing a Master's in Computer Science. I work as a Computer Science Tutor at Metro State University which requires me to help students understand, learn programming concepts. I do competitive programming as a hobby to practice concepts I learn, I also like solving the Rubik's Cube in my spare time.

PROFESSIONAL EXPERIENCE

Computer Science Tutor

Metro State University, Saint Paul | 2023 – 2025

I teach and help students in learning understanding programming concepts, Data Structures and Algorithms, also help them in debugging, understanding programming assignments.

- Explain programming concepts in Java, Python, C, HTML, CSS, SQL.
- Embed in class as an assistant to the professor, help students with any questions.
- Debugging homework, Understanding Assignment questions.
- Sometimes students may feel overwhelmed when they are new to programming, which requires me to reassure them, and help them understand these concepts in relation with real-world examples.

Computer Science Instructor

Metro State University, Saint Paul | 2025-present

I teach Introduction to Programming in Java and Object-Oriented Concepts at Metro State University. In this role I have to communicate technical programming concepts to students and help them learn how to build programming solutions to problems, assess solutions designed by students and provide feedback.

PROJECTS:

1. WhatsApp Clone:

- Uses Next JS, Firebase, Vercel to deploy.
- The project uses Gmail authentication to login, you can

- create new chat by clicking on “start new chat” button
- typing in the email address you want to chat with.
- Currently has chat functionality only.

2. AI Tutor:

- The project aims to provide students with an AI Tutor, whom they can ask questions about assignments. The AI will be given instructions by Professors on what they are looking for in an assignment and the concepts the students can use. The AI will provide students with feedback, and explain even the smallest concepts, but will not give any solutions.
- The project makes use of Gemini AI from Google.
- The project is made using Next.js, React, Vercel, Node.js.

3. Rare Disease Detection using Bayesian Networks:

- The project runs a Bayesian Network designed by a Radiologist on our team from University of Pennsylvania.
- The network runs on SMILE Engine.
- The project uses Java, HTML, CSS, JavaScript.

4. Event Rooms:

- The project allows users to create events on blockchain.
- Uses JavaScript, Solidity.
- Deployed using Truffle on Ethereum test Network.

5. Optical Mark Recognition Sheet Scanner using Image Processing:

- The project scans an OMR Sheet using a mobile phone camera.
- Uses Flutter, Dart, MongoDB, Python.

6. YouTube Search Page:

- The project shows results from YouTube, the page starts showing results when the input character length is more than 3 and keeps changing with any additional characters.
- Made using Dart, Flutter, JSON, YouTube API.

7. Calculator App:

- A basic calculator app made using Flutter and Dart.

8. Student Portal:

- A student portal using Java, MySQL.