

# Omer Kamran

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## EXPERIENCE

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### Technical Content Engineer

August 2023 - May 2024

*Educative Inc.*

*Lahore, Pakistan*

- Designed and created applications that utilized open source multimodal models and Hugging Face Transformers library in courses and gained positive feedback from users.
- Created a course on Rust Web Development utilizing OpenAI's API to create an application for building servers.
- Created and utilized Docker images for different web development frameworks and applications.
- Designed a game development course integrating Computer Graphics principles, laying the foundation for future game development content at Educative and conducted workshops to encourage employees to work on this verticle.

### Answers Intern Lead

June 2023 - August 2023

*Educative Inc.*

*Lahore, Pakistan*

- Managed a team of 7 interns in diverse areas including AR development, Unity, computer vision, cloud computing, machine learning, applied mathematics, and operating systems.
- Led projects in AR development and Unity, collaborating cross-functionally to achieve project milestones.
- Conducted code reviews and facilitated workshops on computer vision, cloud computing, and machine learning.

### Answers Intern

June 2022 - August 2022

*Educative Inc.* | [Profile](#)

*Lahore, Pakistan*

- Developed interactive applications for the Educative Answers website to provide guidance to developers and gained a well-rounded understanding of AR/VR Development, Full Stack Development, and Computer Graphics.
- Played a key role in the development of the VR Development course, a unique initiative at Educative.
- Created a widget which allows users to play apps directly on their android-based VR devices from the webpage.

## PROJECTS

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### AutoGippity | *Rust, React, OpenAI* | [GitHub](#)

- This application utilizes the Actix web framework for building the application backend which was responsible for communicating with OpenAI's APIs.
- Created a new macro for sending string tokens to the OpenAI which improved application performance.
- The application utilizes three different class-based smart agents for building the application, each with their own role.

### LUMSafar | *MongoDB, Express, React Native, Node.js* | [Specifications Document](#) | [GitHub](#)

- Worked in a team to create a socialization mobile application for the Office of Student Affairs at LUMS.
- Application allows a moderator to post events at the university and people can mark themselves as "going".
- Built on the MERN stack, utilized VoIP for a voice-chat feature.
- Implemented live location sharing feature that allows users to view their friends' locations using Google Maps API.

### Moseeqi | *Node.js, React.js, Express, mySQL* | [GitHub](#)

- Worked in a team to develop a fully functional Spotify clone.
- Implemented features such as music search, playlist creation and, user follow functionality.
- Demonstrated skills in full-stack web development, database management, and project planning and execution.

## TECHNICAL SKILLS

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**Languages:** Rust, Java, Python, C/C++/C#, SQL, JavaScript, TypeScript, HTML/CSS, Haskell, Solidity

**Frameworks:** React, Node.js, Django, Express

**Other:** Unity, Blender, Unreal Engine, PlayCanvas, SteamVR, XR Toolkit, AR Foundations

## EDUCATION

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### Lahore University of Management Sciences (LUMS)

Lahore, Pakistan

*BS in Computer Science*

*Aug. 2019 - June 2023*

Relevant Coursework: Computer Graphics, Data Mining, Network Security, Data Structures, Algorithms, Operating Systems, Software Engineering, Advanced Programming, Databases, Artificial Intelligence, Blockchain, Digital Logic Circuits