

Muhammad Rafay Shafqat

rafaykhokhar.ra@gmail.com
rafaykhokhar.tech

+92 333 5120920
LinkedIn — Github

PROFESSIONAL SUMMARY

Highly motivated Computer Science student with hands-on experience in mobile application development and generative AI. Proven expertise in building cross-platform applications using Flutter and currently expanding the skill set into native iOS development with Swift. Passionate about data analytics and machine learning, with a particular focus on generative AI. Actively exploring its applications in various domains. Eager to contribute technical skills and creative problem-solving abilities to a dynamic team.

EDUCATION

University of Engineering and Technology, Lahore <i>Bachelors of Science, Computer Science</i>	Lahore, Punjab
Corvit Systems <i>Full Stack Web Development</i>	Lahore, Punjab

TECHNICAL SKILLS

Languages: Dart, C / C++, Python, SQL
Frameworks: Flutter, Flask, Node Js, Express Js, GetX
Developer Tools: Git, Github
Databases: MySQL, Firebase, SupaBase, MongoDB
Libraries: pandas, NumPy, Matplotlib

WORK EXPERIENCE

Generative AI Intern <i>Xavor Corporation</i>	May 2024 – August 2024
---	------------------------

- Built a segmentation model for brain tumor detection, integrating Generative AI to enable MRI discussions with a chatbot.
- Collaborated with the University of California on a healthcare project integrating AI for advanced medical imaging solutions.
- Developed and implemented AI-driven healthcare solutions, enhancing diagnostic accuracy and patient care through advanced medical imaging technologies.

PROJECTS

Brain Tumor Detection and Analysis — TensorFlow, Keras, VGG19, U-Net, NLP, LangChain, LLMs

- Developed a segmentation model for brain tumor detection from MRI scans using VGG19 and U-Net architectures with TensorFlow and Keras.
- Implemented Generative AI to enable interactive discussions about MRI results via a chatbot.

Hungry Haste — Flutter, Firebase, GetX

- Developed a cross-platform mobile application that provided food ordering services.
- Implemented state management with the help of GetX.
- Used cloud services provided by Firestore to store data.

UET Smart Assistant — Flutter, Riverpod, Google Maps, Gemini, Firebase, Node Js

- Developed a mobile app in Flutter that guides the students in university.
- Added Google Maps inside the app.
- Added a Chatbot, which was trained on 10,000 instances of dataset related to university.
- Developed a module where students could register for hostel allotment using the app.

Dish Dash — HTML, Bootstrap, PHP

- Developed a full-stack food delivery system to provide seamless food delivery service in a local area.
- It consisted of an admin dashboard and user-side interface.