Zainab Khalid

Software Developer

✉ bcsf22m013@pucit.edu.pk   📞 03358448231   📍 Allama Iqbal Town Lahore,Pakistan

🔗 linkedin.com/in/zainab-khalid-34ba38261   ⌗ github.com/Zainab1872003

⚡ leetcode.com/u/Kaneezkhalid1872003

INTRODUCTION

Innovative Computer Science student and a great **problem solver** with a strong passion for crafting **creative** solutions and tackling complex problems. With hands-on experience in machine learning and a knack for investigative research, I excel at developing practical, forward-thinking applications. Eager to leverage my technical expertise and analytical mindset in a dynamic, collaborative environment to deliver impactful results.

EDUCATION

Bachelors in Computer Science
University of the Punjab

12/2022 – present | Lahore, Pakistan

CGPA: 3.68 (5th semester)
6th completed but results are pending

Intermediate
Punjab Group of Colleges

Lahore, Pakistan

Grade : A+

SKILLS

- Programming: C,C++,Python,Javascript
- Web Development: MERN, FLASK
- AI : Deep Learning , Computer Vision , GenAI
- Database : SQL , MongoDB , ChromaDB
- Soft Skills : Problem Solving , Investigating Skill

CERTIFICATES

- Code Bees Programming Competition
- WomenTechQuest by 10Pearls
- CodeFest by GDSC PU Lahore

ORGANISATIONS

FCIT sports society
Photographer

PROFESSIONAL EXPERIENCE

AI Engineer
EKKEL AI

07/2025 – 10/2025 | Lahore, Pakistan

Teacher Assistant of Programming Fundamentals
Dr.Saadia Shahzad

Backend Developer Internee
Cyber Advance Solutions (Unique Group Of Colleges Software House)

PROJECTS

InsightStream (RAG)

An AI chatbot that lets users ask questions and clear doubts in real-time about any running YouTube video. Implement using LangChain and fine-tuning the pre trained model.

Semantic Search Vibe (ChromaDB , Mini-Lama , Deepseek)
An AI-powered todo app that understands you from habits to context, from tasks to conversations.

It is an AI-powered todo app that understands your habits and tasks. It generates a personal productivity profile by analyzing your todos and consistency.The AI chat assistant maintains context *without needing a database* using vector embeddings instead.Semantic search finds relevant tasks by meaning, so you can ask *"Where am I learning DSA?"* and get instant answers.

Exam Sheet Name & Roll Number Detection (Computer Vision)

- Developed an **OpenCV-based** system to detect names and roll numbers in scanned exam sheets.Used **Template Matching** for accurate text recognition.

Event Management App (Flask) (Flask, jinja , Flask-PyMongo,Cloudinary(poster upload))

A platform where vendors can create and manage events and customers can browse events , view details, filter events base on there location and availability and book event, cancel event.