

MUHAMMAD KAIF

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www.github.com/Mkaify



@muhammad-kaif-ur-rehman-a54114256/

SKILLS

- Programming: Python, Java, C++, JavaScript
- Web Development: ReactJS, Node.js, MongoDB, Express.js
- AI & ML: OpenCV, TensorFlow, NLP, Deep Learning, Machine Learning, Pytorch
- Database: SQL, MongoDB, PostgreySql
- Tools: GitHub, Visual Studio Code

PROJECTS

AKFoods – Full-Stack Food Ordering Platform

Oct 2024

Built a complete MERN stack application that supports online food ordering, live order tracking, and secure user authentication.

- Integrated REST APIs and MongoDB for seamless data flow between frontend and backend.
- Tools: MongoDB, Express.js, ReactJS, Node.js, Firebase

AI-Powered Parking Space Detection System

Jan 2025

Developed a real-time system using OpenCV and deep learning to detect and count available parking slots from live video feeds.

- Designed for smart city applications, reducing time spent finding parking and helping optimize space usage.
- Tools: Python, OpenCV, YOLOv5, NumPy, TensorFlow

AI-Sudoku Solver (Image to Solution)

Apr 2025

Built an end-to-end AI pipeline to extract Sudoku puzzles from images using OpenCV, recognize digits via OCR, and solve them using backtracking algorithm.

- Integrated image preprocessing, grid detection, digit segmentation, and solution overlay.
- Tools: Python, OpenCV, Tesseract OCR, Numpy, Algorithm Design

EDUCATION

Bachelor of Software Engineering

Jan 2022 - Feb 2026

University of Engineering and Technology, Taxila

- Major in AI (NLP, CV).
- Current CGPA: 3.42

Foundation in Pre-Engineering

Jan 2020 - Dec 2022

Cambridge School and College, Talagang

- Percentage: 93%

Matriculation

Jan 2018 - Dec 2020

Cambridge School and College, Talagang

- Percentage: 94%

HOBBIES

- Poetry
- Philosophy
- Language Learning
- Cricket
- Problem solving.
- Fluent in Urdu and English