

# HUZAIFA SHABBIR

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## OBJECTIVE

Computer Science student at FAST-NUCES with a strong foundation in full-stack and mobile development, and growing exposure to AI/ML. Experienced in building applications using Flutter, React, C++, and Python, with an interest in integrating intelligent, data-driven features. Passionate about creating practical, user-focused solutions and continuously learning through hands-on projects, hackathons and certifications.

## EDUCATION

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### Bachelor of Computer Science — FAST - NUCES

2023 – 2027

Major Courses: Programming Fundamentals, OOP, Data Structures & Algorithms, Computer Architecture, Database Systems, Operating Systems, Computer Networks, Artificial Intelligence, Cloud Computing, Computer Vision

GPA: 3.52 / 4.0

### FSc. Pre-Engineering — KIPS College

2021 – 2023

### Matriculation (Computer Science) — PISJ

2019 – 2021

## SKILLS

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**Languages & Frameworks:** C++, C, Python, Java, React, HTML/CSS, JavaScript, Flutter/Dart, Assembly

**Databases:** MySQL, MSSQL (SSMS), Firebase, Supabase, MongoDB

**Soft Skills:** Project Management, Teamwork, Critical Thinking, Problem Solving

**AI / ML:** Python, NumPy, Pandas, OpenCV, scikit-learn

## PROJECTS

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### RemoteX — Remote PC Control Application

2026

*Flutter, DirectX, Supabase, MongoDB, Node.js*

*Personal Project*

- Built a cross-platform app enabling full remote access to a PC from a mobile device.
- Implemented Flutter-based interfaces on both the mobile (client) and PC (host) sides for a seamless, unified user experience and low-latency, peer-to-peer screen streaming and real-time communication between devices.

### Rear Collision Detection & Distance Measurement — Computer Vision Project

2026

*Flutter, Dart, Yolo, ONNX*

*Personal Project*

- Built a real-time rear collision detection system using YOLO object tracking and calibrated pixel-to-distance mapping to measure inter-vehicle distances from video footage. Applies optical flow, contour detection, and frame-differencing.

### Height Estimation System — Computer Vision Project

2026

*Python, YOLO (Ultralytics), OpenCV, NumPy*

*Personal Project*

- Built a real-time height estimation system using YOLO object detection and geometric calibration techniques.
- Applied bounding-box analysis and reference-object scaling with OpenCV and NumPy.

### Flutter Developer — Food Ordering App

Summer 2025

*Client: Saas Startup, Lahore*

*Contract*

- Implemented end-to-end functionality including menu browsing, food ordering, takeaway, and delivery tracking.
- Delivered a production-ready app with a clean, intuitive UI resulting in a fully operational system for the client.

### Quick Mart — Full-Stack Store Management System

2025

*React, Node.js, Supabase*

*Personal Project*

- Built a complete store management system with product listings, inventory tracking, and database management.

### Flappy Bird (Assembly)

2024

*x86 Assembly*

*Personal Project*

- Recreated the entirely in Assembly language with smooth gameplay mechanics and an interactive graphical interface.

## CERTIFICATIONS & ACHIEVEMENTS

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- AWS Academy Graduate — Cloud Foundations Trainee Badge 2026
- Certificate of Participation CodeRush GDG ITU — App Dev Hackathon 2026
- Flutter and Dart: Developing iOS, Android, and Mobile Apps — IBM 2025
- AI For Everyone — DeepLearning.AI (Coursera) 2025
- Certificate of Participation Softec'26 — App Dev Hackathon 2026
- Certificate of Participation Softec'25 — FAST Speed Programming Competition 2025
- Codesoft 4 week Internship program — C++ developer 2024