KOMAL EIJAZ

komaleijaz@gmail.com

EDUCATION

BS Hons Computer Science 2026
Forman Christian College (A Chartered university), Lahore.
A Levels 2021
Beaconhouse School System, Johar Town Campus.
O Levels 2019
Beaconhouse School System, Liberty Campus.

PROFESSIONAL EXPERIENCE

Marketing Transformers
• Admin
• Content Writer
Markilex
• Virtual Assistant
Freelance Graphic Designer
Notable clients
• Payless Truck Driving School
• Brisbane Heavy Vehicle Training
• Taj Driving School

PROJECTS

2D Shooter Game | Python (Pygame)
• Built a 2D shooter game using Pygame, applying object-oriented programming (OOP) and collision detection
algorithms.
• Utilized vector math for projectile trajectories and enemy AI movement.
• Optimized game performance through efficient rendering and event handling.
Line-Following Miniature Car | Arduino
• Designed and programmed an autonomous car that detects and follows a black line using infrared sensors.
• Assembled and tested hardware components (motors, sensors, microcontroller).
Non-Profit Database System | SQL
• Created a relational database for non-profit organizations to track donors, volunteers, and events.
• Wrote complex SQL queries for data analysis (e.g., donation trends, volunteer hours).
• Optimized database performance through indexing and normalization.
Cat Wellness Management App | UML, Prototyping, SDLC
• Designed a comprehensive software solution to connect veterinarians, volunteers, and donors for community cat healthcare.
• Conducted requirement elicitation via stakeholder interviews and competitor analysis.
• Developed software documentation, including:
o Project proposal, SRS (Software Requirements Specification)
o UML diagrams (use case, class, sequence diagrams)
o Prototype (Canva)
• Test cases (manual testing scenarios)
• Compiled a 40-page technical report covering design decisions, constraints, and future improvements.

AWARDS & ACHIEVEMENTS

• Main Organizer for International Conference on Recent Trends in Physics (2nd & 3rd Editions), Forman Christian College.
• Organizer for ICTMSN 2024 (International Conference on Trends in Material Science and Nanotechnology), Forman Christian College.
• Gold Medal for Exceptional Result in Cambridge O levels Examination, Beaconhouse School System.