

# Malika Farid

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🔗 Malaika-Farid-Portfolio

## PROFILE

A dedicated Computer Science student passionate about personal and professional growth, committed to timely task completion, continuous improvement, and honing skills in Machine Learning, Computer Vision, and Web Development.

## EDUCATION

12/2021 – present Lahore, Pakistan	<b>B.S. in Computer Science</b> <i>Punjab University College of Information &amp; Technology</i> <a href="#">🔗</a>	<b>CGPA : 3.91</b>
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## PROFESSIONAL EXPERIENCE

09/2024 – 01/2025	<b>Teaching Assistant for Data Structures</b> at FCIT, appointed by Dr. Saadia Shahzad <a href="#">🔗</a> .
09/2024 – 01/2025	<b>Teaching Assistant for Object Oriented Programming</b> at FCIT, appointed by Dr. Madiha Khalid. <a href="#">🔗</a>

## PROJECTS

### Book Vision - AI Powered Study Companion

Developing *BookVision*, an AI-powered study companion as a **Final Year Project** (FYP). The application leverages Natural Language Processing (NLP), generative AI technology to convert book topics into educational slides enhancing self-paced learning.

### Handwritten Digit Classification

Deep learning-based handwritten digit classification using PyTorch. Implements CNNs with data augmentation and class imbalance handling.

### Pregnancy Risk Assessment

A machine learning-based system using Flask and TensorFlow to predict pregnancy risks, including stillbirth and preterm birth, based on maternal health data.

### Candy Shop Management System

Developed a responsive Blazor WebAssembly-based Candy Shop Management System with product management, sales tracking, and secure database integration.

### University Management System

A comprehensive University Management System database, encompassing entities, relationships, primary and foreign keys.

### Self-Driving Cars

OOP-based self-driving car project that autonomously selects passengers based on the shortest distance.

## SKILLS

HTML | CSS | Javascript | Asp .Net Core | Blazor | SQL | C | C++ | C# | GIT | Github | Python | ML | CV | Kotlin | RAG

## SOFT SKILLS

Leadership | Problem Solving | Team Work | Communication | Presentation | Time Management | Self-Learning

## PARTICIPATIONS

Code Bees 4.0 PUCIT	PUCON'23	Code Fest 4.0 PUCIT 2023
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## AWARDS

Awarded **3rd place** in the **Code Bees 4.0 Speed Programming Competition at PUCIT**