

Muhammad Habban

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🌐 LinkedIn 🐙 GitHub </> LeetCode

PROFILE

A dedicated Computer Science student with a passion for continual learning and innovation in software development. Proficient in machine learning and full-stack web development, with a solid understanding of data structures and algorithms. I excel at tackling complex challenges and developing effective digital solutions.

EDUCATION

University Of the Punjab, Lahore, Pakistan 2021 – Present
Bachelor of Science in Computer Science, CGPA: **3.89**

PROFESSIONAL EXPERIENCE

Machine Learning Intern, Scraperr Lab, Lahore, Pakistan 2025 - present
• Fine-tuned a gender detection model and achieved **86%** accuracy on the UTKFace dataset, optimized model performance.

Associate Software Engineer, SoftBuses, Lahore, Pakistan 2024 - 2025
• Developed an online learning platform where tutors can conduct live lectures, upload courses, and facilitate course purchases by students, enabling a comprehensive digital education experience.

Teaching Assistant, University Of the Punjab, Lahore, Pakistan

- Data Structures and Algorithms (2024)
- Object-Oriented Programming (2024)
- Database Systems **x 2** (2023, 2024)

TECHNICAL SKILLS

- **Languages:** C#, Python, C/C++, JavaScript, SQL, HTML/CSS, Kotlin
- **Frameworks:** DOTNET, Blazor, React, Express, Node.js, Next.js, MongoDB, TensorFlow, PyTorch, MVC, Android

PROJECTS

BookVision (FYP), Python, FAISS, LLaMA

- Developed an AI-driven document processing system that extracts relevant information using FAISS, enhances responses with LLaMA, and automates Beamer slide and PDF generation.

Handwritten Digit Detection, Python, PyTorch, VGG-16

- Fine-tuned a pre-trained model to classify handwritten digits with **98%** accuracy using data augmentation and class balancing techniques.

Rice Vision, Python, TensorFlow, CNN

- Developed a machine learning model to detect infected and uninfected rice grains, achieving **93%** accuracy.

Online Voting System, C#, MVC

- Developed a secure platform for managing elections, supporting party management, and facilitating voter participation.
- The system supports party management, ticket assignment to candidates, and independent sign-up for voters and candidates. Voters can cast votes for their preferred candidates, streamlining the election process.

Online Research Paper Database, MongoDB, Express, React, Node

- Developed an academic platform to enable users to create, upload, and manage research paper collections with an efficient PDF storage and retrieval system.

COMPETITIONS

- ICPC Regional Onsite - 2025
- Code Rush, ITU - 2024
- PUCON, PUCIT - 2024