

Contact

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Top Skills

Regression Models
Classification models
MySQL

Certifications

Hackerrank certified Problem Solver
Machine Learning Engineer
Deeplearning.ai certified Neural
Networks and Deep Learning
engineer
Intermediate Machine Learning
Course

Muhammad Hamza

Software Developer @ trulD | Machine Learning | Computer Vision |
Full Stack Web Developer
Islamabad, Islāmābād, Pakistan

Summary

I have a deep passion for conversing with computers, which led me to the world of software development. My journey began with web development, where I learned about UI design, digital aesthetics, and logic building.

At university, I discovered Machine Learning and quickly became fascinated. I worked on computer vision during my first internship at Sentinel AI, which turned into a part-time job and solidified my skills in AI and ML.

Currently, I'm expanding my expertise in iOS development at TrulD, creating intuitive and powerful mobile applications.

I bring a diverse skill set, including C, C++, Python, PyTorch, TensorFlow, Java, Swift, JavaScript, React, Node.js, and MongoDB. I'm always eager to take on new challenges and collaborate on innovative projects.

Let's connect and explore how I can assist you in developing your software solutions.

Experience

trulD

Software Developer
May 2024 - Present (2 months)
Islāmābād, Pakistan

TrulD's Finger Verification SDK

- Saved thousands of dollars for TrulD by removing external Finger Verification SDK, and created our own.

Sentinel AI Pvt Ltd

9 months

Junior ML Engineer

September 2023 - February 2024 (6 months)

Islāmābād, Pakistan

Sentinel AI Security Surveillance

- Created an unmanned security surveillance application that would detect anomalies and inform the owner about them
- Fine-tuned YOLO for better performance, and applied multiple anomaly detectors like line crossing, intrusion, etc.

Sentinel AI face-matching API

- Created a face-matching API for sentinel AI Attendance Management software
- Used FastAPI with FastNet Face Recognition model to match faces
- Helped the company eliminate the liability of relying on paid services from other companies for face matching.

Machine Learning Intern

June 2023 - August 2023 (3 months)

NSTP NUST

Object Detection on Edge Device (Jetson Nano)

- Created an extremely efficient object detection model that would run smoothly on Jetson Nano
- Used Yolo in C++ with OpenCV and asynchronous processing to process multiple streams at the same time on Jetson Nano
- Achieved fast FPS of 20 to 40 on Jetson Nano in real-time processing

Education

National University of Sciences and Technology (NUST)

Bachelor of Science - BS, Computer Science · (September 2022 - December 2026)