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## SUMMARY

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Skilled in Machine Learning and AI, with a strong drive to apply and enhance my abilities through real-world projects. Also proficient in Web Development. I bring a logical, solution-oriented mindset and a positive attitude to every challenge. Always ready for new challenges.

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## STRENGTHS AND EXPERTISE

- Python
  - C++
  - NextJS
  - MySQL
  - Mediapipe, OpenCV
  - Numpy
  - Tensorflow
  - Matplotlib, Pandas
  - Neural Networks & Deep Learning
  - Supervised Learning
  - Unsupervised Learning
  - Reinforcement Learning
  - Transformers
  - Fast API
  - Data Base Engineering
  - NLP & Word Embeddings
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## EDUCATION

**BS Electrical Engineering (CGPA:3.22)**  
Namal University Mianwali

**Nov 2021 - July 2025**

- Machine Learning
  - Programming Fundamentals
  - Internet of Things
  - Data Structures
  - Digital Image Processing
  - Embedded Systems
  - Object Oriented Programming
  - Database Engineering
  - Control Systems
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## CERTIFICATES & ACHIEVEMENTS

- Supervised Machine Learning: Regression and Classification(DeepLearning.AI)(10-2024)
  - Advanced Learning Algorithms(DeepLearning.AI)(10-2024)
  - Unsupervised Learning, Recommenders, Reinforcement Learning(DeepLearning.AI)(10-2024)
  - Neural Networks and Deep Learning(DeepLearning.AI)(1-2025)
  - Structuring Machine Learning Projects(DeepLearning.AI)(3-2025)
  - Sequence Models (DeepLearning.AI)(5-2025)
  - PEEF Soft Skills Development Certification(PEEF)(2024)
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## PROJECTS

### 1. Real-Time AI Driven Workout Assistant (FYP)

- Developed an AI-powered workout assistant using pose estimation (Blazepose/Mediapipe) and anomaly detection (LSTM) to provide real-time feedback on exercise form using web application.
- The goal is to make AI-driven fitness guidance accessible and accurate without the need for specialized sensors and reduce risk of injuries during unsupervised workouts.

### 2. Lung cancer classification using CNN (09/2024 - 01/2025)

- Developed and trained a CNN model to classify four types of Lung Cancer.
- Compared the model performance with EfficientNetB3.

### 3. Emojify (04/2025 - 04/2025)

- Developed a baseline model using pre-trained word embeddings to build an Emojifier.
- Enhanced the working of the Emojifier model using LSTM.

### 4. Line-Follower Lego Robot (Semester Project)

- Built a line-follower lego robot using micropython and embedded systems.

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## PROFESSIONAL EXPERIENCE

### Web Development Intern at Interns.pk

06/2024 - 07/2024

Accomplishments:

- Completed various projects utilizing the technologies including HTML, CSS, JS, Bootstrap and WordPress
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