MUHAMMAD AMMAR

muhammad2000ammar@gmail.com
+92 3325755532
LinkedIn | Portfolio

PURPOSE

Aspiring Machine Learning Engineer with a strong foundation self-learned through online courses and projects. Seeking an entry level position where I can contribute to professional projects and further develop my skills, while providing value to the team.

SKILLS

- Computer Vision: OpenCV, YOLO, SSD
- Machine Learning: Neural Networks, Keras, PyTorch
- Web Development: HTML, CSS, Flask, MongoDB
- Data Analysis: R Programming, SQLite
- Robotics: Mobile and Aerial Robots
- Excellent Technical Report Writing and Presentation Skill

EDUCATION

Bachelors of Science in Mechanical Engineering 2018-2022
National University of Sciences and Technology (NUST), Islamabad, Pakistan
CGPA: 3.16/4.0
IELTS: 8.5 Bands

PROJECTS

- Autonomous Mobile Robot with Chain-Driven Live Roller Top Module.
- Built a Traffic Sign Classification neural network using Keras.
- Scene Classification using Vision Transformer (ViT) and transfer learning on Pytorch.
- Built a Food Classification neural network using EfficientNet on PyTorch.
- Built a highway lane detection algorithm using OpenCV.

CERTIFICATIONS

- Machine Learning Specialization (certificate)
- Deep Neural Networks with PyTorch (certificate)
- Computer Vision Bootcamp with Python (OpenCV) - YOLO, SSD (certificate)
- Web Developer Bootcamp with Flask and Python in 2023 (certificate)

RESEARCH PUBLICATION

A Chain-Driven Live Roller Mechanism for Loading and Unloading Packages on Autonomous Mobile Robots in Warehouses, 13th International Conference on Applied Human Factors and Ergonomics (AHFE)(2022), New York, USA

- Main author of the conference paper responsible for technical writing and presentation
- DOI: http://doi.org/10.54941/ahfe1001600