AMMAR JAHANGIR

Machine Learning & Full-Stack Developer

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SUMMARY

BSCS student building deep learning and full-stack applications. Delivered an image classifier using MobileNetV2 transfer learning and an AI-powered hospital management system (React, Node.js, MySQL). Completed Stanford / DeepLearning.AI machine learning coursework with a 99.60% grade.

EDUCATION

BS Computer Science – University of Kotli, AJ&K *2023 – 2027 (Expected)*

Coursework: Machine Learning, Digital Image Processing, Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Computer Architecture

PROJECTS

Animal Image Classifier *Python, TensorFlow, Keras, Streamlit*

- Built a 10-class image classifier on the Animals-10 dataset (26K images) using MobileNetV2 transfer learning.
- Evaluated with confusion matrix, ROC-AUC and per-class F1; deployed a Streamlit interface and documented on GitHub.

AI Hospital Management System *React, Node.js, Express, MySQL*

- Developed a full-stack web app for patient management and appointment scheduling.
- Integrated an AI API for smart doctor assignment.

Process Scheduling Simulator *Python, CustomTkinter, Matplotlib*

- Built a desktop simulator for FCFS, SJF, Round Robin and Priority scheduling with Gantt chart and CPU utilization stats.
- Packaged as a standalone Windows installer using PyInstaller and Inno Setup.

Numerical ML Models *Python, Scikit-learn, Pandas*

- Built regression (house price) and classification (flower species) models with EDA and feature engineering.

Other: CRUD web app (HTML, CSS, PHP, MySQL); Student Management System (C++, OOP).

CERTIFICATIONS

- **Supervised Machine Learning: Regression and Classification** – DeepLearning.AI & Stanford University [verify]
- **Advanced Learning Algorithms** – DeepLearning.AI & Stanford University [verify]
- **Data Mining in Python** – Coursera [verify]
- **Cyber Security Fundamentals** – Coursera [verify]
- **Introduction to AI** – Google (100%) [verify]

TECHNICAL SKILLS

Machine Learning: TensorFlow, Keras, PyTorch, Scikit-learn, CNNs, Transfer Learning, U-Net, OpenCV

Data Science: NumPy, Pandas, Matplotlib, Seaborn, EDA, Feature Engineering

Languages: Python, C++, C, C#, JavaScript, SQL, PHP

Web & Database: React, Node.js, Express.js, REST APIs, HTML5, CSS3, MySQL

Tools: Git, GitHub, VS Code, Google Colab, Jupyter, Streamlit, MySQL Workbench

LANGUAGES

English, Urdu