Talal Nafees

AI Engineer | Machine Learning | Computer Vision | Web Development

Sialkot, Pakistan
talalnafee.ai@gmail.com
linkedin.com/in/talal-nafees-467a7842b
github.com/talalnafees-ai
talalnafees.vercel.app

ABOUT

AI Engineer who builds smart tools using Python, machine learning and computer vision. I also work on Linux systems, web development, automation, and practical data and logistics solutions.

SKILLS

Programming
Python, C, C++, SQL, Bash, JavaScript, TypeScript, HTML, CSS, PHP

AI / ML
Machine Learning, Deep Learning, Scikit-learn, TensorFlow/Keras, Computer Vision, OpenCV, MobileNetV2, OCR, Tesseract

Web Development
React, Tailwind CSS, Bootstrap, WordPress, REST APIs, Authentication, Responsive Design

Data Systems
Dask, ETL, DAG Orchestration, Out-of-Core Processing, SQLite, SQLite FTS5

Systems
Linux, /proc, CPU Affinity, Multithreading, Performance Profiling

Backend & Automation
FastAPI, n8n, API Integration, Databases, Debugging, Deployment

Tools & Design
Git, GitHub, Docker, GitHub Actions, VS Code, Chrome DevTools, Figma, Adobe XD, Canva

Business & Operations
Advanced Excel, Data Management, Logistics Systems, Orders, Shipments, Inventory, Basic SEO

EXPERIENCE

Independent Performance Systems & Data Infrastructure Consultant

Independent / Self-Directed, Sialkot, Pakistan — **2025 - Present**

- Profiled Linux workloads in C using /proc, process monitoring, and CPU affinity to find execution bottlenecks.
- Designed distributed Python data pipelines with Dask Distributed, DAG orchestration, and out-of-core execution.
- Built machine-learning and computer-vision pipelines using TensorFlow/Keras, OpenCV, and MobileNetV2.
- Automated data and reconciliation workflows using n8n and Advanced Excel, with practical exposure to orders, shipments, and inventory.

PROJECTS

Master Automation Hub (n8n Workflow Collection)

Python, FastAPI, SQLite FTS5, n8n, Docker, GitHub Actions
github.com/talalnafees-ai/my-n8n-workflows

- A website where you can quickly search and find all my ready-made automation workflows.
- Search by keyword, filter results, and connect other tools through simple APIs.

Image Text Recognition / OCR Pipeline

Python, OpenCV, Tesseract
github.com/talalnafees-ai/Image-Text-Recognition-OCR-Pipeline-

- A tool that reads the writing inside a picture and turns it into typed text.
- Cleans noisy images first (grayscale, blur, thresholding) so the text is read more accurately.

Data Classification Using AI

Python, Scikit-learn, KNN, StandardScaler
github.com/talalnafees-ai/Data-Classification-Using-AI

- A program that learns from flower data and then guesses the type of a new flower.
- Tested on the Iris flower dataset and scored with accuracy, confusion matrix and F1.

Tech Stack Recommender

Python, TF-IDF, Cosine Similarity
github.com/talalnafees-ai/Tech-Stack-Recommender

- A tool that suggests which technologies to learn for a given job role.
- Matches your skills with job roles and ranks the best-fitting career paths.

12 public repositories *on GitHub. Visit github.com/talalnafees-ai to view the rest of my work.*

EDUCATION

BS in Artificial Intelligence

University of Sialkot, Sialkot, Pakistan — **Expected June 2027**