

Syed Hamza Inayat

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Address: Islamabad, Pakistan

Career Objective

Motivated and detail-oriented Artificial Intelligence undergraduate with practical experience in machine learning, NLP, and data-driven systems. Seeking to apply technical and analytical skills to real-world AI challenges while contributing to innovative projects.

Education

FAST National University of Computer and Emerging Sciences, Islamabad
Bachelor of Science in Artificial Intelligence

Sep 2022 – Sep 2026

Cadet College Kalar Kahar, Chakwal
Intermediate (Pre-Engineering)

2019 – 2021

Skills

Python, C/C++
PyTorch, TensorFlow, Transformers
Flask, FastAPI, Streamlit, Docker
MySQL, MongoDB
Pandas, NumPy, OpenCV, Scikit-learn, Matplotlib
Git, Postman, Jupyter Notebook, Google Colab

Experience

AI Intern – Web Scraping Application Project
Jun 2024 – Aug 2024

FAST National University, Islamabad

- Developed a real-time data integration system using BeautifulSoup and Requests.
- Collaborated with a team to connect backend scraping logic to a user interface.
- Processed and structured e-commerce product data for analytics and visualization.

Projects

Image Generation System — Stable Diffusion, gRPC, Python, Docker

Apr 2025 – May 2025

Built a text-to-image generation system using Stable Diffusion with GPU-enabled Docker deployment. Integrated a gRPC API for secure model inference.

Traffic Sign Classifier — Python, OpenCV, NumPy

Mar 2025 – Apr 2025

Implemented a rule-based image processing pipeline for traffic sign detection and classification.

Story2Audio Microservice — Streamlit, Tortoise TTS, Docker

Feb 2025 – Mar 2025

Created a microservice that converts written stories into expressive speech using Streamlit and Tortoise TTS.

Mobile Product Analysis & Chatbot System — Flask, SQLAlchemy, Web Scraping

Nov 2024 – Dec 2024

Built a chatbot-enabled product search system with real-time scraping of mobile specifications from Daraz.pk.

Achievements / Extracurricular

- Led university AI Club workshops on Python and deep learning frameworks.
- Secured 2nd place in FAST HackFest 2024 for innovative web scraping solution.
- Contributed to open-source projects on GitHub related to NLP and AI tools.

References

Mr. Sohail Abbas

AI Project Supervisor, FAST National University

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