# Syed Hamza Inayat

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## 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 — Sep 2022 – Sep 2026  
Bachelor of Science in Artificial Intelligence

Cadet College Kalar Kahar, Chakwal — 2019 – 2021  
Intermediate (Pre-Engineering)

## 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, FAST National University, Islamabad  
Jun 2024 – Aug 2024

* 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  
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