Sam Khandani

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Professional Summary

I'm Sam Khandani, a passionate 17-year-old AI developer from Tehran, Iran. With a solid foundation in Python programming and over 8 months of hands-on experience in deep learning, I specialize in building intelligent systems using state-of-the-art machine learning and NLP techniques.

Currently studying Software and Network Engineering in high school, I've already completed several advanced AI projects including:

- Conditional Generative Adversarial Networks (cGANs)
- Audio Classification using Spectrograms
- License Plate Detection and Processing
- Bitcoin Price Prediction with LSTM
- A Gemini-powered Conversational Chatbot API

I hold certifications in machine learning, deep learning, and AI algorithms, and am skilled in tools like TensorFlow, PyTorch, NumPy, and OpenCV.

Driven by curiosity and commitment to continuous learning, I am seeking freelance or internship opportunities where I can contribute to impactful AI projects, collaborate with innovative teams, and grow into a world-class AI engineer.

Education

High School Diploma in Software and Network Engineering (Ongoing)
Technical High School, Tehran, Iran

Skills

- Python Programming
- Deep Learning (TensorFlow, PyTorch)
- Natural Language Processing (NLP)
- Machine Learning Algorithms
- Spectrogram-based Audio Processing
- Computer Vision (OpenCV)
- Git, GitHub
- REST API Development (FastAPI)
- Model Deployment and Experimentation

Projects

- **Conditional GAN (cGAN)** – Built a generative model with conditional inputs to create controlled synthetic data.
- **Audio Classification using Spectrograms** – Designed and trained a CNN-based classifier using Mel spectrograms.
- **License Plate Processing** – Developed a CV system for detecting and segmenting license plates.
- **Bitcoin Price Prediction** – Implemented a time-series LSTM model to forecast crypto price trends.
- **Chatbot API (Gemini-based)** – Created a conversational bot using Gemini API for intelligent Q&A in Farsi.