

HAMZA AMIN

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EDUCATION

Bachelor of Computer Science, NUCES-FAST University

CGPA: 3.05/4.0

Key Coursework: Generative AI, Statistical Modeling, DevOps, Android Development, Data Structures

SKILLS

Technical Skills Python, C, Java, Kotlin, C++, C, TensorFlow, PyTorch, Keras, SQL, NoSQL, Docker, Kubernetes, Istio

Soft Skills Problem Solving, Communication, Leadership, Team Collaboration

Specialized Knowledge Android Development, DevOps, AI / ML, Generative AI, Statistical Modeling

EXPERIENCE

Freelancer

Sep 2023 - Jul 2024

Fiverr

- Provided one-on-one tutoring for 20+ clients on Python, Java, and C++, achieving a 4.8-star rating.
- Delivered AI-based projects, including chatbots and image generation tools, enhancing client workflows.
- Built custom software solutions using Python, TensorFlow, and SQL, boosting client productivity by 40%.

Teaching Assistant

Sep 2023 – June 2024

FAST-NUCES, Islamabad

- Assisted professors in managing the internals of 120 students by creating quizzes, assignments, and evaluations.
- Provided one-on-one support to students, clarifying complex concepts in Operating Systems and Assembly Language.
- Facilitated study sessions and discussions to enhance student understanding and engagement.

Intern

Summer 2023

Compuservices

- Learned Kotlin and Flutter, contributing to cross-platform mobile apps within a six-week internship.
- Developed UI components and integrated APIs for enhanced app functionality.
- Collaborated on debugging and optimization, applying agile development practices.

PROJECTS

Urdu-to-English Translation Transformer. Developed a transformer model using TensorFlow for accurate and context-aware Urdu-to-English translation. Trained on diverse datasets, it supports real-time applications with optimized performance and seamless integration.

Image Generation App. Developed an application using CycleGAN and Conditional GANs (cGANs) to generate high-quality random animal images based on user-specified text inputs, showcasing my expertise in deep learning and AI-driven visual content creation.

City Planning Model with cGANs. Built a model using cGANs to transform minimal satellite images into detailed, planned maps with buildings and layouts, combining deep learning with urban design.

Mentor Me. Built a full-stack application using Kotlin, Firebase, MySQL, and PHP, allowing mentors to register, sell services, and communicate via text, images, videos, and calls, similar to Fiverr.