HAMZA AMIN

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EDUCATION

Bachelor of Science in 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 2022
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

Student Academic Management System. Developed a system using C, .NET, HTML, CSS, and SQL that enables students to view grades, register for courses, and manage fee payments. The system also facilitates faculty duties for teachers and academic officers.

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.

Hostel Management System. Designed a management system in Java that supports multiple campus operations, tracking various records efficiently. This project employed software engineering methodologies, including Scrum and Object-Oriented Programming.

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.