Rai Tabish

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SKILLS

Languages & Frameworks   Python, C++, JavaScript, TypeScript, MERN, Go, C#, C, SQL, Java, CSS, HTML, Express, React, Flask, MySQL, Unity, Android Studio, Bash

Technologies & Tools   AWS, Azure DevOps, Apache Airflow, LLama, Kubernetes, Docker, Git, CI/CD, Open AI , LLM, Linux, Cloud Computing, Game Development, Parallel and Distributed Systems, ETL, Web Scraping

Data Science & Machine Learning   PyTorch, TensorFlow, OpenCV, Scikit-Learn, PyMC3, Pandas, NumPy, Statistical Modeling, Language Models, Regression, DSA, Knowledge Graph

EXPERIENCE

Freelancer
FIVERR   Jan '23 — Present
- Achieved Level 1 badge in a month.
- Completed 15+ projects involving Web Development (MERN), image recognition with Python, C++, and OpenCV, consistently achieving 5-star client ratings. Built responsive website, Deployment and improving exiting websites

Technology Program Intern
Knodemy   Aug '24 — Present
- Created curriculum on programming fundamentals and data structures for young learners.
- Building an inhouse web-based Learning Management System in MERN stack with a focus on content delivery, collaboration, and responsive design.

CS Lab Demonstrator (2x)
FAST NUCES Islamabad   Jan '23 — Nov '23
- Evaluated and facilitated weekly labs for a cohort of 50+ students enrolled in the Programming Fundamentals (C++) course.
- Received positive feedback from students, indicating a strong ability to effectively communicate and support their learning journey.

Game Development Intern
AirDev (Remote)   Jan '22 — Apr '22
- Learned Unity and Blender on the go while developing 3D game mechanics. Led the development of 3D game mechanics in a remote startup.
  Built and optimized game data structures.

PROJECTS

DataKaleidos - Final Year Project, FAST Link
- An GraphRAG driven data analytics tool which entertain the use queries about the CPG industries and respond to them with insights, visualizations and suggestions, along with large scale data scraping for industries across multiple platforms.

Society Management System, GitHub Link
- Developed a C# application with MySQL backend, incorporating Google notifications and form integration. Streamlined user management and automated notifications to enhance user engagement and operational efficiency.

Blockchain Assistant Link
- Developed a lightweight, CPU-optimized assistant using a quantized Llama 2 model. The model is fine-tuned on a Blockchain book to answer domain-specific questions efficiently on devices without GPU support.

EDUCATION

Bachelor of Science in Computer Science, FAST NUCES Islamabad
                                                                           Aug '21 — Present
                                                                           Islamabad, Pakistan
- Relevant Courses: Artificial Intelligence, Statistical Modeling, Blockchain, Data Engineering, Database Management, Computer Networks, Information and security, Ethical Hacking, Data Structures & Algorithms, OOP, Operating Systems, C++ Program Design, Database Management Systems.

- Extra-Curriculars: Head sponsorship of Computing Society - Organized and managed 20 labs, each accommodating over 60 students, fostering a conducive learning environment and facilitating practical application of theoretical concepts.

Fellow of Science in Pre-Engineering, IMCB I-8/3 (GPA: 3.48)
2019 — 2021
Islamabad, Pakistan

- Achieved top rank in the class, with a curriculum focused on core subjects like mathematics, physics, and chemistry, aimed at building strong analytical and technical skills essential for engineering fields.

CERTIFICATIONS

Understanding Cloud Computing
Data Camp
Aug '24

Introduction to Natural Language Processing in Python
Coursera
Aug '01

Understanding Microsoft Azure
Data Camp
Sep '24

Google AI Essentials
Google
Oct '20

Intermediate SQL
DataCamp
Feb '22

Introduction to Kubernetes
DataCamp
Oct '24

Google Data Analytics
Coursera

AWARDS

Best Urdu Debater
IMCB-I/8-3
May '13
Being awarded the best debater in an inter-college debating competition with the topic of 'Education Builds the Nations'.

Bait Bazi Competition
Jul '17
The inter-college poetry competition was organized by Bazm-e-Paigham Rawalpindi with over 50+ colleges all across Islamabad and Rawalpindi.

VOLUNTEERING

Summer Volunteer, TCF
Islamabad
Jan '01
Volunteered with TCF's summer camp program, leading extracurricular activities in select schools across Pakistan to enhance students' teamwork, creativity, and confidence.

Organizer, NUCES
Islamabad
Jan '01
Assisted in organizing the 2023 university orientation, guiding new students in navigating their academic paths and campus life as a junior volunteer.