SAQLAIN ABID

Software Engineer | AI, ML Enthusiast | Code Puzzlemancer
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LinkedIn ● LeetCode ● GitHub

HONORS & ACHIEVEMENTS

- Honored with "Silver Brick" for placing 4th nationally and 103rd globally (top 25%) in CALICO UC Berkeley Fall '24.
- Ranked 53rd in Pakistan in Round 1 of "Meta Hacker Cup 2024".
- Led a team and solved 9 out of 9 puzzles at Harvard's "CS50x Puzzle Day 2024".
- Academic IELTS Bands: 6.5/9.0.
- Secured 18th place among participants in "Advent of Code 2023".
- Participated and solved CTF challenges in "Advent of Cyber 2023".
- 2x iCodeGuru "Merit Scholar" for AI Bootcamp. [2023, 2024]
- Awarded the Ignite endowment fund under NGIRI-2019 (S. No. 98), ranked among the top 800+ projects.
- Regional winner (Pakistan-South) in "Microsoft Imagine Cup 2019".
- "Work & Study Scholarship" holder (Bachelor).
- 3x "BEEF Scholarship" winner, awarded to the top 5% of BS students. [2017, 2018, 2019]
- Secured a 50% fee waiver in my bachelor's through excellent academic performance. [2016]

EDUCATIONAL QUALIFICATIONS

BS Software Engineering (CGPA: 3.00/4.00)   **Oct 2015 – Dec 2019**
BUITEMS, Quetta, Pakistan.
Activities:

- Participated in "5th UNDERGRADUATE RESEARCH COLLOQUIUM 2019".

PROJECTS

Final Year Project: Sensor-Based Smart Traffic Controller with Real-time Monitoring. [Project Link]

- Developed a desktop-based automated traffic control recommendation system, integrating front-end and back-end programming with machine learning techniques.
- **Impact:** The system replaces fixed signal timers with dynamic ones, reducing fuel consumption and human idling. It aims to improve traffic efficiency while minimizing accidents and congestion for smoother traffic flow.

INTERNATIONAL HACKATHONS

NASA International Space Challenge (AgriView)   **Oct 2024 – Oct 2024**

- AgriView Tools is a powerful platform that provides farmers with real-time environmental data using NASA's Earth Observation API, enabling smarter decision-making and promoting sustainable agriculture.
- **Role:** Focused on data collection, extraction and processing using Python.
- **Impact:** Empowered farmers with actionable insights on weather, soil moisture, and crop growth, optimizing decision-making for improved yields and sustainable practices.

Falcon Hackathon (Find-n-Speak)   **Jul 2024 – Aug 2024**

- Find 'n Speak is an engaging app for children aged 5-10 that enhances language skills through interactive scavenger hunts, where students find and describe objects based on verbal cues.
- **Role:** Contributed as an AI & Software Engineer, working on Large Language Models (LLMs).
- **Impact:** The app uses Falcon, vision, and STT models to make language learning fun and effective.

Langflow Hackathon (NaviCare AI)   **Jul 2024 – Jul 2024**

- NaviCare AI is a versatile app that helps patients find the right doctors, streamline appointment scheduling, take consultation notes, and offer post-visit support.
- **Role:** As an AI & Software Engineer, I worked on the front-end and LLMs to enhance their functionality.
- **Impact:** Enhances patient experience by ensuring timely care, accurate information, and continuous wellness tracking for improved health outcomes.

LabLab Next Hackathon (EZ-Read)   **Jun 2024 – Jul 2024**
- EZ-Read is a Generative AI tool for creating comic books, offering character and background image generation, scene parsing, and metadata extraction.
- **Role:** Contributed as an AI & Software Engineer, working on LLMs and as a full-stack Python developer.
- **Impact:** Streamlining and making the creative process more efficient and accessible for creators.

SKILLS
- **Languages:** Python, Dart, JavaScript, C++, HTML, CSS.
- **Scripting:** Bash, PowerShell.
- **Databases:** My SQL, MongoDB, Firebase.
- **Mobile App Development:** Flutter with Dart.
- **Frameworks & Libraries:** Streamlit, Node.js, NumPy, Pandas, OpenCV.
- **IDEs:** Jupyter & Kaggle Notebooks, Google Colab, PyCharm CE, Xcode, VS Code, GitHub Codespaces, Android Studio.
- **Operating Systems:** Linux (Kali, Parrot, BlackArch, Ubuntu), macOS, Windows.
- **Cloud & Container Platforms:** Google Cloud, Docker.
- **Design:** Adobe Creative Cloud (Photoshop, Illustrator, Premiere Pro), Microsoft Office 365.

PROFESSIONAL EXPERIENCE
IT Incharge (Part-Time)   **Jan 2012 – Present**
Daily AAINA, Spinzer Printer (PVT) LTD, Quetta, Pakistan. [Experience Certificate]
- Managed databases, analyzed systems systematically, and solved problems efficiently to improve performance.
- Focused on drafting and maintaining the print and digital media by ensuring the inclusion of high-quality content covering current articles and affairs.

Software Engineer Intern   **May 2023 – Oct 2023**
Quetta Safe City Project under the Pakistan Engineering Council (PEC). [Internship Certificate]
- Kept the website running fast and efficiently, optimized code, managed databases, and monitored website performance to ensure a smooth user experience.
- Regularly updated the website with new features, fixed security vulnerabilities, and maintained compatibility with evolving web technologies.

Cyber Security Apprentice   **Dec 2022 – May 2023**
Institute of Emerging Careers (IEC). [Internship Certificate]
- Assessed security, finding and fixing vulnerabilities in different systems.
- Tested and improved web applications' security, generating concise reports for strategic insights.
Projects:
- **Web Application Penetration Testing**
- **Vulnerability Management**
- **OSINT (Open-Source Intelligence)**

Flutter Intern   **Jun 2021 – Jul 2021**
Augersoft - Blockchain and Mobile Applications Solution. [Internship Certificate]
- Developed a mobile application with Flutter.
- Integrated cross-platform and server-side tech for holistic mobile app development.
- **Front-end Technology:** Flutter Framework, Dart.
- **Back-end Technology:** Node JS.

Accountant & IT Officer   **Mar 2021 – Nov 2021**
Zarghoon Law College, Quetta, Pakistan. [Experience Certificate]
- Supervised account details, generated Excel sheets, and effectively managed organizational data.

VOLUNTEER WORK
Moderator at iCodeGuru
- Presented a webinar on the UC Berkeley Coding Competition Fall '24, organized by iCodeGuru, providing participants with strategies, insights, and preparation tips to excel in the challenge.
- Delivered a virtual webinar on the Meta Hacker Cup 2024, hosted by iCodeGuru in collaboration with the Hayatian Computing Society at the University of Gujrat, Pakistan.

- **AI Bootcamp:** Taught out in the "Python for Beginners Course" as a part of AI Bootcamp. I guided participants, made sure learning went smoothly, and encouraged collaboration in the online community.
- **GRE:** Moderated 48 in-depth GRE Prep sessions on iCodeGuru, helping participants reach their scholarship goals.
- **IELTS:** Guided and moderated 50+ 1-hour IELTS prep sessions, supporting participants in their exam preparation.

Web Developer at BUITEMS-ACM (Association for Computing Machinery)
- Developed a website for the BUITEMS-ACM Student Chapter. [Website Link]
- Designed, maintained, and optimized website structure, features, and responsiveness, collaborating with the team on design enhancements and troubleshooting web application issues.
- **Technology Used:** WordPress, PHP, and built-in APIs.

Volunteer:
- Organized a workshop for school children "The Hour of Code".
- Arranged and attended "UX Design Camp" at BUITEMS, Quetta.
- Planned and participated in the "2nd IEEE ICE CUBE CONFERENCE 2018".

HOBBIES / INTEREST
- International Hackathons participation.
- Solving LeetCode problems.
- Solved coding problems in a challenge "Coding Competition".
- Prompt Engineering with Generative AI.
- Volleyball Player. [Certificate]