

# SAQLAIN ABID

## Software Engineer

Cell: +92 332 8833129 | Email: [saqlainabid143@gmail.com](mailto:saqlainabid143@gmail.com) | [LinkedIn](#) | [LeetCode](#) | [GitHub](#)

## HONORS & ACHIEVEMENTS

- Selected as a Section Leader for "[Stanford's Code in Place 2025](#)", among 4,000+ applicants from 190+ countries.
- Competed in the "[MIT Informatics Tournament Winter 2025](#)", securing top 36% globally (180/500 teams).
- Led a team and solved 9 out of 9 puzzles at Harvard's "CS50x Puzzle Day". [[2024](#), [2025](#)]
- 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](#)".
- Academic IELTS Bands: 6.5/9.0.
- Secured 15<sup>th</sup> place among participants in "Advent of Code". [[2023](#), [2024](#)]
- 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](#)".
- 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 "[5<sup>th</sup> UNDERGRADUATE RESEARCH COLLOQUIUM 2019](#)".

## TEACHING ASSISTANTSHIPS

**Section Leader at Stanford Code in Place 2025**

Apr 2025 – Jun 2025

*Stanford University, California, United States · Remote*

- Served as Section Leader (TA) for [Stanford University's Code in Place 2025](#) program, teaching foundational computer science concepts (Karel, Python, control flow, graphics, data structures).
- Taught an international cohort of students, fostering a collaborative and inclusive learning environment while building their core programming skills.

**Work & Study Student at BUITEMS (UAFA)**

Nov 2017 – Aug 2019

*BUITEMS, Quetta, Pakistan · Onsite*

- Worked **500 hours** as a [Teaching Assistant \(TA\)](#) & [Office Assistant \(OA\)](#) during my Bachelor's, mentoring junior students in software engineering courses while also assisting with administrative tasks under a supervisor.

## 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 and computer vision 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 uses NASA's Earth Observation API to provide farmers with real-time environmental data. This enables smarter decision-making and promotes 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, and CSS.
- **Scripting:** Bash, PowerShell.
- **Databases:** MySQL, MongoDB, Firebase.
- **Mobile App Development:** Flutter with Dart.
- **Frameworks & Libraries:** Streamlit, FastAPI, 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

---

### Trainer & Moderator at iCodeGuru

San Jose, California, United States · Remote

- 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 in the “Python for Beginners Course” as a part of the AI Bootcamp. I guided participants, ensured 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 BUIITEMS-ACM (Association for Computing Machinery)

- Developed a website for the BUIITEMS-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.
- **Technologies:** WordPress, PHP, and built-in APIs.

### Volunteer:

- Organized a workshop for school children: “[The Hour of Code](#)”.
- Arranged and attended “[UX Design Camp](#)” at BUIITEMS, Quetta.
- Planned and participated in the “[2<sup>nd</sup> IEEE ICE CUBE CONFERENCE 2018](#)”.

## HOBBIES / INTERESTS

---

- International Hackathon participation.
- Solving LeetCode problems.
- Solved coding problems in a challenge, “[Coding Competition](#)”.
- Prompt Engineering with Generative AI.
- Volleyball Player. [[Certificate](#)]