

# Muhammad Qasim

Software Engineer & Tech Trainer

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## ACHIEVEMENTS

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- Selected as a **Section Leader (Mentor)** at Stanford University's *Code in Place* program to teach python and mentoring 1:1 student.
- **Harvard CS50x Puzzle Day Winner** among 11,000+ participants | Solved 9/9 Puzzles.
- Won **Best Use of Camel AI Award** at an International Hackathon.
- **First Place Winner** at a Generative AI Hackathon.
- Selected as a **Mentor** at **HackYeak (Poland)** for an international hackathon.
- Selected as a **Mentor** at the **CyberSecurity Hackathon** organized by the **European Union**.
- Selected as a **Mentor & Judge** at the **Generative AI Hackathon** organized by **Pak-Angels (CA, US)**.
- Ranked in the **Top 15% on LeetCode** with 400+ Data Structure and Algorithms problems solved.
- Recipient of a **Solar Panel System** by the Chief Minister of Punjab, Pakistan for being **School topper**.

## SKILLS

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- **AI & Data Analysis:** Generative AI, LLMs, RAG, Numpy, Pandas, Matplotlib, SQL, Excel
- **Web Scraping & Automation:** Selenium, BeautifulSoup
- **Frontend Development:** React, Tailwind, Bootstrap, Material UI
- **Backend Development:** PHP, Python, Flask, Node.js, Express
- **Databases:** MySQL, MongoDB, SQLite, PostgreSQL
- **Tools:** VSCode, Google Colab, Sublime Text, Jupyter Notebook, GitHub, Postman
- **Google Maps:** Leaflet, Google Maps
- **APIs & Integrations:** Twilio, SERP API, Cloudinary, Nodemailer, Google Maps API, Stripe, GoHighLevel

## EDUCATION

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### **Lahore Leads University**

Bachelor of Science in Computer Science (CGPA: 3.14/4.0)

Lahore, Pakistan

*Graduation: 2021*

- Final Year Project: **Mr Solution** | PHP, MySQL, HTML, CSS, Bootstrap, JavaScript
- Built a platform to connect people with local service professionals (carpenters, electricians, etc.)
- Designed a lead generation system where buyers request services and professionals purchase leads

## WORK EXPERIENCE

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### **Fullstack Web Developer at MetaViz Pro**

Lahore, Pakistan — May 2022 – Jan 2025

- Developed web applications using HTML, CSS, Bootstrap, JavaScript, jQuery, SQL, and PHP.

- Created web crawlers for data extraction, transforming scraped data into actionable business insights.
- Optimized application performance, reducing page load times through efficient code and database queries.
- Integrated APIs and third-party services to enhance functionality, enabling seamless service integration.

## INTERNATIONAL HACKATHONS & COMPETITIONS

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### Harvard Puzzle Day

9/9 puzzles solved in 3 days, demonstrating critical thinking, teamwork, and time management.

### Legal Assistant Chatbot | Gradio, FAISS, Llama3, Helsinki NLP, PyPDF2, MiniLM-L12-v2, LangChain

*Event:* Focused on anything through AI-driven solutions

*Role:* Designed and developed a chatbot frontend for Pakistani law queries, integrating Llama3 for simplified English responses, Helsinki NLP for Urdu translation, FAISS vector database, and Gradio interface.

*Outcome:* Secured **First Rank** by building an AI-powered chatbot to simplify Pakistan's laws in English and Urdu.

### NASA Space Apps Challenge 2025 | React, React Three Fiber, Rapier Physics, Leaflet

*Role:* Developed an interactive map where users can drop a virtual meteor on any location to visualize potential impact—including affected population and earthquake-equivalent energy.

### Finance Assistance | Streamlit, PyMuPDF, CAMEL-AI, AIML API (DeepSeek)

*Event:* Focused on anything using camel-ai, deepseek v3 or ai/ml api

*Role:* Collected and cleaned Kaggle dataset for fine-tuning, assisted in debugging, testing, and deployment.

*Outcome:* Won the **Best Use of AI/ML API Award** for building an AI-powered Personal Finance Assistant that analyzed credit card statements and provided spending recommendations based on the 50/30/20 rule.

### Massachusetts Institute of Technology Informatics Tournament

Ranked 239<sup>th</sup>/536 teams by solving problems with Data Structures and Algorithms

### Calico Fall (UC Berkeley Coding Competition)

Solved coding problems in 2 hours, showing analytical skills, teamwork, and time management.

### Meta Hacker Cup (Coding Competition)

Qualified for Round 1, leveraging data structures and algorithmic thinking.

## VOLUNTEER TEACHING AND MENTORSHIP

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### Section Leader Mentor, [Stanford University: Code in Place \(Certificate\)](#) US · Remote · Apr – Jun 25

- Mentored 50+ students from diverse global backgrounds in Python and debugging ([See Feedback](#)).
- Conducted 1:1 sessions clarifying concepts such as for-loops, while-loops, and functions.
- Assisted students in troubleshooting code and improving their logical approach to programming challenges.

### Tech Trainer and Moderator at [ICodeGuru](#)

California · Remote · Feb 2025 – Present

- Taught Data Structures and Algorithms to 80+ learners via live sessions and workshops, including live-solving LeetCode problems to explain algorithmic patterns, complexity analysis, and alternative solutions ([Link](#)).

### Mentor at [HackYeah](#)

Poland · Remote · 5–6 Oct 2025

- Helped Participants in Selecting idea, Choosing Tech Stack, Development Issues and Reviewed Slides.

**Mentor at [European Cybersecurity Hackathon](#) (Certificate)**

Hungary · Remote · 17–19 Oct 2025

- I supported participants in translating their cybersecurity ideas into impactful, working prototypes.

**Instructor at [Sir Syed University of Engineering & Technology](#)**

Pakistan · 19–24 Nov 2025

- Delivered 5-hour hands-on sessions covering GitHub account setup, profile personalization, uploading projects with professional READMEs, and Git basics using GitHub Desktop and online tools ([Link](#))

## REFERENCES

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### **Dr. Zafar Shahid**

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### **Dr. Rizwan Ghaffar**

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### **Mohammad Anwar Khan**

Seasoned Entrepreneur & Fintech Expert — Pioneer in NFC & Contactless Payments

Former Founder & President, ViVOtech — Founding Engineer, Verifone

Co-Founder, Omnyway — Board Member, Armada Acquisition Corporation

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