

Muhammad Qasim

Software Engineer & Tech Trainer

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ACHIEVEMENTS

- 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 (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

- **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

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

Fullstack Developer at MetaViz Pro

Lahore, Pakistan — May 2022 – Dec 2024

- 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

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 239th/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

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.

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.

Speaker 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 ([Link](#))

Tech Trainer and Moderator at ICodeGuru

Remote · Feb – Aug 2025

- 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](#)).

Instructor, Mentor and Judge at Pak Angels (Certificate)

Remote · Aug 25 – Present

- Instructor for Python (260+ Students), also serving as a Mentor and Judge in Hackathons ([Link](#))

REFERENCES

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Mohammad Anwar Khan

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

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