

# Muhammad Qasim

Software Engineer & Tech Trainer

[mq77gill@gmail.com](mailto:mq77gill@gmail.com) | [Github](#) | [LeetCode](#) | [LinkedIn](#) | [Portfolio](#) | [Coursera](#)

## 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** in *Fall in Love with DeepSeek International Hackathon 2025*.
- Ranked in the **Top 20% on LeetCode** with 400+ Data Structure and Algorithms problems solved.
- **First Place Winner** at ULEFUSA – APTECH Generative AI Hackathon.
- Recipient of a **Solar Panel System** by the Chief Minister of Punjab, Pakistan for being **School topper**.

## SKILLS

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- **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
- **AI:** Generative AI, LLMs, RAG
- **Web Scraping & Automation:** Selenium, BeautifulSoup

## 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

[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.

### 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 4/17 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](#)

California, US · Remote

Apr 2025 – Jun 2025

- Mentored 50+ students from diverse global backgrounds in Python and debugging.
- 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.
- See students' feedback [here](#).

### Tech Trainer and Moderator

ICodeGuru

Santa Clara, California · Remote

Feb 2025 – Present

- Taught Data Structures and Algorithms and LeetCode to 80+ learners via live sessions and workshops ([link](#)).
- Solved LeetCode coding exercises live to demonstrate algorithmic patterns.
- Explained time and space complexity trade-offs and alternative approaches.
- Provided personalized feedback on optimizations to improve problem-solving efficiency.

## REFERENCES

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### **Dr. Zafar Shahid**

Technical Lead / Staff Engineer @Meta — [LinkedIn](#)

Email: [zafar.shahid@acm.org](mailto:zafar.shahid@acm.org)

Phone: +1 512 239 8008

Location: Santa Clara, California, United States

### **Dr. Rizwan Ghaffar**

Principal Engineer @Broadcom Inc. — [LinkedIn](#)

Email: [rizwanghaffar24@gmail.com](mailto:rizwanghaffar24@gmail.com)

Phone: +1 858 216 5405

Location: San Jose, California, United States