

FATIMA ARSHAD

FULL STACK DEVELOPER AND TECH TRAINER

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ACHIEVEMENTS

- Stanford University(Code_in_Place): Selected as a Section Leader to teach Python to 100+ international students
- SMIT:Trained 600+ students in different programming languages and technologies.
- lablab.ai: Participated in multiple AI International Hackathons and won one of them (gold medalist).

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript
- Web Dev: HTML, CSS, Bootstrap, React JS, Next JS,Tailwind CSS, Shade CN , Framer Motion
- Backend: Node JS, Express JS, Python, Socket IO
- Databases: MongoDB, Postgresql

EDUCATION

Government University of Faisalabad

2020 to 2024

Bachelor of Science in Computer Science

CGPA: 3.44 / 4.00

WORK EXPERIENCE

Full Stack Developer Instructor

May 2023 to present

Saylani Institute SMIT - Faisalabad

faisalabad , pakistan

- Trained 600+ students in programming, web and mobile app development, and web designing (Word, Excel, PowerPoint).
- Programming Languages and Technologies: HTML, CSS (Bootstrap 5), JavaScript (ES6), Tailwind CSS, TypeScript, DSA (LeetCode), React JS (Context API, Router, State Management), Next.js, NodeJS (ExpressJS, Authentication, API Endpoint Handling), NPM, MongoDB, Firebase, and React Native.
- Students received training from me via these courses. See GitHub Repositories:
- [[Web and Mobile Developer Batch 02](#)], [[Web and Mobile Development Batch 03](#)], [[Web Designing Batch 01](#)], [[Web Designing Batch 02](#)], [[Web Designing Batch 03](#)]

MERN Stack Developer

Sep 2024 – June 2025

CyberGen

faisalabad , pakistan

- As a Senior MERN Stack Developer, I've led and contributed to multiple live projects, including FlyZone, CyberGen, and GRIT (a project management tool).
- My work spans across React.js, Next.js, Bootstrap, and Node.js, where I specialize in debugging, feature development, and team leadership. I also manage server environments using cPanel, aaPanel, and even WordPress for full-stack delivery.
- My ability to adapt, lead, and solve problems under pressure makes me a reliable team player in fast-paced environments.
- Projects: [[FlyZone](#)], [[Powerphase](#)], [[GRIT](#)]

Backend Developer

Aug 2023 – Feb 2025

Naxtech

faisalabad , pakistan

- Node.js, Express.js, [Socket.io](#), PostgreSQL, MongoDB (SQL & NoSQL)
- AWS (Lambda, SES, S3, EventBridge, Scheduler , Redis, Socket.io, WebSockets , DevOps: Docker, GitLab CI/CD, Microservices architecture)
- Projects: [Event Management App](#) (PostgreSQL, AWS Mailer, Scheduler) , [Profiler](#) – a Job & Employment Management System with location-based search, OpenAI integration, SEO optimization, and long-running Lambda functions

Web Developer Intern

June 2022 – Feb 2023

SunzTech

faisalabad , pakistan

- Integrated a React front-end with a WordPress back-end, converting static pages into dynamic React.js components.
- Used fake product APIs to simulate backend data during early development, which helped strengthen my understanding of data fetching and component rendering.
- Overcame challenges in API integration, taking nearly a month to fully resolve issues — a key milestone in my learning journey.

FINAL YEAR PROJECT

Health Genius - Smart Healthcare Platform

March 2024 - May 2024

Government University of Faisalabad

faisalabad , pakistan

- Developed a digital healthcare platform to streamline patient services.
- Key features include secure authentication, doctor scheduling, appointment booking, online payments, access to lab reports, and real-time consultations using **Socket.IO WebRTC**.
- Built with **React.js**, **Node.js (Express)**, and **MongoDB**, and deployed both frontend and backend on **Render**.
- [[Frontend link](#)] , [[Backend Link](#)] , [<https://health-genius.vercel.app/>]

VOLUNTEER EXPERIENCE

Section Leader

Apr 2025 – Jun 2025

Code in Place

United States · Remote

- Volunteered as a Section Leader, teaching international students problem-solving, Karel, and Python programming.
- Engaged students with interactive activities and supported their learning journey.
- [[Student Review](#)] , [[View Certificate](#)]

Instructor

May 2024 – Jul 2024

iCodeGuru

Silicon Valley, California, United States · Remote

- Trained students in Python fundamentals: variables, data types, control structures, functions, and basic data structures.
- Focused on instructor development and Python programming skills.
- [[Course Outline](#)]

HACKATHONS AND COMPETITIONS

Hired Mind - Agentic Builders Vultr Track

July 2025

lablab.ai Raise-your-hack Hackathon

San Francisco, California

- My role: Frontend Developer ([Next.js](#))
- Built a recruitment platform using **Next.js**, integrating AI agents via **Groq**, **LLaMA 3.1/3.2**, and **OpenAI APIs**.
- Developed multi-step candidate workflows, resume screening UI, and interview modules. Collaborated with the backend team to ensure smooth API integration and real-time interactions.
- [[Github](#)] , [[Hackathon Event](#)] , [[View Certificate](#)]

Emma (AI Therapist App) - Gold Medalist

July 2024

lablab.ai GPT-4o Hackathon

San Francisco, California

- My role: UI/UX Design, Content, and Development
- Emma is a trusted mental health support companion: using AI-powered expertise and evidence-based techniques like CBT and DBT to tailor therapy sessions to users' specific contexts and personality preferences.
- Emma uses GPT-4o, voice-to-text, and text-to-speech APIs to provide 24/7 personalized mental health support
- [[Github](#)] , [[Hackathon Event](#)] , [[View Certificate](#)]

Social Media Post Optimizer

June 2024

lablab.ai Llama 3 Hackathon

San Francisco, California

- My role: UI/UX Design, Content, and Development
- The Social Media Post Optimizer is a powerful tool designed to enhance your social media presence by optimizing both text and images.
- Input your post and image to receive AI-generated suggestions for engagement, including keywords, tags, and content enhancements.
- The app analyzes image quality (brightness, contrast, sharpness, color), predicts likes/comments/reposts, and provides sentiment/readability analysis.
- [[Github](#)], [[Hackathon Event](#)] , [[View Certificate](#)]

CS50x Puzzle Day 2025

Apr 2025

CS50

Massachusetts Hall, Cambridge, MA 02138, USA

- Certificate of Completion for learning Python in Stanford University's Code in Place program.
- [[View Certificate](#)]

Certificate of Completion

Apr 2024 – Jun 2024

Code in Place

United States · Remote

- Certificate of participation in CS50x Puzzle Day 2025.
- [[View Certificate](#)]

REFERENCES

Grishma Rao

Senior Interaction Design Lead | Generative AI Specialist. | [LinkedIn](#)

- Email: grao@ideo.com
- Location: San Francisco (2525 16th St)