

# AHMAD FARAZ

## Full Stack Web Developer

✉ farazcui007@gmail.com

☎ +92 306 5371114

📍 Vehari, Pakistan

🔗 github.com/AhmadFaraz007

🏠 linkedin.com/in/ahmad-faraz-007

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## PROFESSIONAL SUMMARY

Aspiring Computer Science professional currently pursuing Bachelor's studies with a passion for learning new technologies. Experienced in developing responsive websites and dynamic web applications using modern technologies. Strong foundation in data structures, algorithms, and database management systems. Seeking opportunities to apply and grow skills in real-world projects while preparing for a dynamic tech career.

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## EDUCATION

### Bachelor of Science in Computer Science

COMSATS University Islamabad, Vehari Campus

2021 - 2025 (Expected Graduation)

- Currently in 3rd year of studies
- GPA: 3.5/4.0 (Maintaining strong academic performance)
- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Object-Oriented Programming, Digital Logic Design, Web Development, Computer Networks

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## TECHNICAL SKILLS

### Web Development

- HTML5/CSS3 (Advanced)
- JavaScript (ES6+)
- React.js
- PHP
- TypeScript
- Tailwind CSS
- Bootstrap
- Next.js

### Programming Languages

- C++
- Java
- Python

- Node.js
- Express.js
- Object-Oriented Programming

## Databases & Systems

- MySQL
- MongoDB
- PostgreSQL
- SQL
- Database Design
- Digital Logic Design
- Data Structures & Algorithms

## Tools & Technologies

- Git & GitHub
- DevOps
- Postman
- Figma
- Stella Architect
- Vercel
- Netlify
- AJAX

## ACADEMIC EXPERIENCE & PROJECTS

### Web Development Projects

#### Academic & Freelance

2021 - Present

- Developed responsive websites using HTML, CSS, JavaScript, and PHP
- Built front-end and back-end components of dynamic web applications
- Created 50+ projects including e-commerce platforms, educational portals, and management systems
- Implemented modern frameworks like React.js, Node.js, and Tailwind CSS
- Worked with 30+ worldwide clients on freelance projects

### Data Structures & Algorithms

#### Academic Projects

2022 - 2023

- Implemented common data structures (linked lists, trees, stacks, queues) using C++ and Java
- Developed algorithms for sorting, searching, and graph traversal
- Applied object-oriented programming principles including inheritance, polymorphism, and encapsulation
- Created efficient solutions for complex computational problems

### Database Management Systems

#### Academic Projects

2022 - 2023

- Created relational databases and managed SQL queries in academic projects
- Designed database schemas for various applications including e-commerce and educational systems

- Implemented data normalization and optimization techniques
- Worked with MySQL, MongoDB, and PostgreSQL databases

## Digital Logic Design

### Academic Projects

2022

- Simulated logic circuits and binary operations using logic gates and software tools
- Designed and implemented digital circuits for various applications
- Worked with binary arithmetic and Boolean algebra
- Created circuit diagrams and verified functionality through simulation

## KEY PROJECTS

### AI Powered Space Mission and Satellite Tracking System

*React, Node.js, MongoDB, Stripe, AI/ML*

Comprehensive full-stack platform for space mission planning, satellite tracking, and debris monitoring. Features AI-powered predictions, real-time tracking, collision risk assessment, and 3D visualizations.

### Multi-Vendor E-commerce Platform

*PHP, MySQL, Tailwind CSS, Payment Gateway*

Robust multi-vendor eCommerce platform with product browsing, secure shopping, and comprehensive admin dashboard for managing vendors, products, orders, and customers.

### Smart Education Portal

*JavaScript, PHP, MySQL, Analytics*

Centralized education platform with role-based dashboards for students, faculty, and admins. Enables course exploration, enrollment, management, recommendations, and performance tracking.

### Gym Management System

*Bootstrap, JavaScript, PHP, AI Recommendations*

Comprehensive gym management system with role-based dashboards for admins, trainers, and members. Includes membership management, workout tracking, progress monitoring, and AI-powered fitness recommendations.

## CERTIFICATION

### Web Development Training

*NesterSky Software House, Vehari*

2023

## LANGUAGES

**English**

*Good*

**Urdu**

*Native*

**Punjabi**

*Native*

## ADDITIONAL INFORMATION

**Availability:** Available for internships and entry-level opportunities

**Work Type:** Internship, Freelance, Part-time

**Remote:** Yes

**Time Zone:** PKT (UTC+5)

**Expected Graduation:** 2025

**Interests:** Problem Solving, Continuous Learning, Team Collaboration, Analytical Thinking