

Owais Arshad

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EDUCATION

Shifa Tameer-e-Millat University

Islamabad, Pakistan

Bachelor of Science in Software Engineering

Expected Graduation: 2027

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Design, Database Systems, Information Security, Software Testing, AI Foundations

EXPERIENCE

Junior Front End Developer

Jun 2024 – Sep 2024

Decentral Developers

Remote

- Collaborated with cross-functional teams to design, develop, and deploy responsive web applications using modern full-stack technologies
- Participated in code reviews and agile sprint planning, contributing to continuous improvement of development processes

Freelance WordPress Developer

Jan 2023 – Present

Self-Employed

Remote

- Designed and developed 15+ custom WordPress websites for clients across diverse industries, focusing on responsive design and SEO optimization
- Managed complete project lifecycle from client consultation and requirements gathering to deployment and maintenance
- Increased client website traffic by average of 40% through implementation of performance optimization techniques and best practices

Manual Software Tester

Jan 2025 – Present

Independent Practice Projects

Remote

- Designed and executed 100+ comprehensive test cases covering functional, integration, and regression testing scenarios
- Applied black-box and white-box testing methodologies following ISTQB principles to identify and document critical defects
- Utilized Jira for bug tracking and test case management, improving defect resolution time by creating detailed reproduction steps

TECHNICAL PROJECTS

Twitter Sentiment Analysis Tool | Python, NLP, Machine Learning

2024

- Built sentiment classification model using Python to analyze and categorize Twitter comments as positive or negative with 85% accuracy
- Implemented data preprocessing pipeline and trained model on dataset of 10,000+ tweets using scikit-learn

Airplane Reservation System | Java, Data Structures, Algorithms

2024

- Developed flight booking system implementing custom hash tables and priority queues for efficient seat allocation and search
- Optimized search algorithm reducing query time complexity from O(n) to O(log n) for flight availability checks

Encryption & Decryption Tool | Java, Cryptography, Information Security

2024

- Implemented AES and RSA encryption algorithms in Java for secure data transmission and storage
- Created user-friendly CLI interface supporting multiple encryption methods and key management

Resume Builder Application | Java, OOP, Design Patterns

2023

- Designed resume generation application using MVC architecture and Factory design pattern with extensible template system
- Implemented data validation and export functionality supporting PDF and DOCX formats

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, HTML, CSS, SQL

Frameworks & Libraries: WordPress, scikit-learn, NumPy, Pandas

Tools & Technologies: Git, Jira, Figma, MySQL, Linux, VS Code, Trello, Claude, Chat gpt, Prompt Engineering

Testing & QA: Manual Testing, Black-box Testing, White-box Testing, Test Case Design, ISTQB Principles, Static & Dynamic Analysis, Regression Testing

CERTIFICATIONS

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate – Oracle (Sep 2025)

ISTQB Foundation Level Software Testing Certification Prep Specialization – Coursera (Jul 2025)

Black-box and White-box Testing – University of Minnesota, Coursera (Aug 2025)

Introduction to Automated Analysis – University of Minnesota, Coursera (Aug 2025)

Introduction to Software Testing – University of Minnesota, Coursera (Jul 2025)

Python Data Structures – University of Michigan, Coursera (Nov 2025)

Build a Full Website using WordPress – Coursera Project Network (Jul 2025)

Advertising with Meta – Meta, Coursera (Aug 2025)

Start Writing Prompts like a Pro – Google, Coursera (Jul 2025)

LEADERSHIP & ACTIVITIES

Shifa Software Engineering Society | *Active Member*

2023 – Present

- Participate in technical workshops, hackathons, and collaborative coding projects to enhance practical software development skills

Capture The Flag (CTF) Competitions | *Regular Participant*

2023 – Present

- Compete in cybersecurity challenges focusing on cryptography, web exploitation, and reverse engineering