

# 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

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**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

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**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

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**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