



# ABDUL-MUHSIN TIYUMBA SHIRAZU

## Software Engineering Student | Software Engineer | Application Security & Penetration testing (Junior)

Software Engineering student (3rd year) with a strong foundation in software development and secure coding practices. Experienced in web frontend and mobile app development, with growing expertise in penetration testing and web application security.

### CONTACT

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### SKILLS

- Java, C/C++, JavaScript, Dart
- React, HTML, CSS, Bootstrap
- Flutter (Android & iOS)
- SQL Databases
- Cybersecurity: Penetration Testing Basics, OWASP Top 10, Secure Coding
- Git, Docker, REST APIs, Linux Basics

### ACADEMIC AND PRACTICAL PROJECTS

#### ● Full-Stack Food Delivery Web Application

React, Node.js, Express, MongoDB, Stripe

- Developing a full-stack food delivery web application with user authentication, product listing, and order management
- Building a responsive React frontend with login, signup, cart, and checkout functionalities
- Implementing RESTful backend services using Node.js and Express with MongoDB for data persistence
- Integrating Stripe for secure online payment processing
- Project developed as a guided implementation to strengthen full-stack development skills and real-world workflow understanding

🔗 GitHub: [github.com/amtshirazu/food-delivery-app](https://github.com/amtshirazu/food-delivery-app)

#### ● World Time & Weather Mobile Application

Flutter, Dart, REST APIs

- Developed a Flutter mobile application displaying real-time world time and weather information for selected countries
- Integrated external APIs to fetch time, weather conditions, humidity, and wind speed dynamically
- Implemented day/night detection with adaptive backgrounds and country-specific UI elements
- Applied asynchronous programming, state management, and reusable widget design

🔗 GitHub: [github.com/amtshirazu/world-time-flutter](https://github.com/amtshirazu/world-time-flutter)

## LANGUAGES

- English : Proficient
- Turkish : Advanced
- Arabic : Elementary

## HOBBIES

- Reading
- Sports
- Science and Technology
- Computing

## ACADEMIC AND PRACTICAL PROJECTS

### ● Phone Number Validation Web Application

Microservices Architecture | Node.js, Express, MySQL, Docker

- Designed and implemented a web-based phone number validation and user registration system using a microservices architecture
- Developed RESTful APIs to validate phone numbers using custom mathematical and structural rules and prevent duplicate registrations
- Containerized backend, database, and frontend services using Docker and Docker Compose for scalable deployment

🔗 GitHub: [github.com/amtshirazu/phone-validation](https://github.com/amtshirazu/phone-validation)

## EDUCATION

### ● BACHELOR OF SCIENCE IN SOFTWARE ENGINEERING

Konya Teknik Üniversitesi — Konya, Türkiye  
2023 – Present

### ● BACHELOR OF ARTS IN ISLAMIC STUDIES

International Open University (Online) - Gambia  
2023 – Present

### ● BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Kwame Nkrumah University of Science and Technology — Kumasi, Ghana  
2021 – 2022

### ● GENERAL SCIENCE

Tamale Senior High School — Tamale, Ghana  
2018 – 2021

## CERTIFICATIONS

### ● Junior Penetration Tester Pathway (Completion Certificate)

— TryHackMe

### ● Cybersecurity 101 (Completion Certificate) — TryHackMe

### ● Turkish Language Proficiency (C1) — Selçuk Üniversitesi

### ● Certified International Trader (*Diş Ticaret Sertifikası*) — Selçuk Üniversitesi