

# Muhammad Wahaj Khan

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Address: Elßholzstr. 5, 10781, Berlin, Germany

## EDUCATION

### 42 Berlin

*Software Engineering Certification*

Berlin, Germany

November 2024 – Present

### Arden University

*MSc. Cyber Security*

Berlin, Germany

September 2024 – Present

### National University of Computer and Emerging Sciences

*Bachelor of Science in Computer Science*

Karachi, Pakistan

August 2019 - June 2023

## EXPERIENCE

### Grocery Associate

*Wolt*

Nov 2024 – Present

*Berlin, Germany*

- Processed customer orders efficiently using the Wolt Merchant app, ensuring timely fulfillment
- Picked and packed groceries accurately, maintaining high customer satisfaction
- Ensured store organization by maintaining cleanliness and orderliness in all areas
- In-bounded stock accurately while maintaining the cold chain to ensure product quality

### Student Lab Assistant

*FAST NUCES*

August 2022 – January 2023

*Karachi, Pakistan*

- Assisted 50+ students in understanding fundamental programming concepts in C, leading to improved course performance

### Teaching Assistant

*FAST NUCES*

August 2021 – August 2022

*Karachi, Pakistan*

- Graded quizzes, assignments and evaluated students on projects for Computer Organization and Assembly Language course

## PROJECTS

### Weather Forecast Web App | *Python, Django, JavaScript, Docker*

2024

- Developed a dynamic weather forecasting web application using Django, leveraging Open-Meteo's API for real-time weather data
- Implemented features including current weather conditions, air quality index, and a 5-day forecast
- Containerized the web app using Docker and deployed the website on localhost using gunicorn and nginx

### IoT Honeypot for Application Layer | *Python, Flask, HTML, CSS, MySQL, Linux*

2023

- Developed a CoAP server in Python using aiocoap library and created an API to get data from IoT (Internet of Things) device database
- Coded a simple web application using HTML, CSS, and JavaScript using Django framework having a login and home page to act as the testbed environment
- Implemented SQL Injection, Distributed Denial of Service, Brute Force, and Cross-site Scripting attacks and deployed mitigation strategies against these attacks while also implementing detailed logging mechanisms to track all attacks and their sources.
- Successfully deployed the web app on Digital Ocean, integrating it with a Namecheap domain

### Flutter Application Back-end | *Python, Django, Insomnia, Flutter, Dart*

2022

- Created 10+ RESTful APIs in Django-Python to perform CRUD operations on SQLite database
- Implemented API calls in Flutter-Dart application and successfully retrieved and parsed data from endpoints

## TECHNICAL SKILLS

**Proficient Programming Languages:** C/C++, Python, MySQL, JavaScript, HTML/CSS, Shell Scripting, C#

**Familiarity:** PHP, Java, Dart, Rust, YAML, Azure

**Frameworks, Tools & Processes:** Django, Flask, Flutter, Blender, Adobe Photoshop, GitHub, SSH, Cisco Packet Tracer, Postman, Insomnia, VScode, Firewall, Docker, Nginx, CI/CD pipelines, DevOps, MVC .NET, Agile Methodology, Microsoft Office, Network Security

**Operating Systems:** Linux, Windows