

# Muhammad Wahaj Khan

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## EDUCATION

<b>42 Berlin</b> <i>Software Engineering Certification</i>	Berlin, Germany November 2024 – Present
<b>Arden University</b> <i>MSc. Cyber Security</i>	Berlin, Germany September 2024 – Present
<b>National University of Computer and Emerging Sciences</b> <i>Bachelor of Science in Computer Science</i>	Karachi, Pakistan August 2019 - June 2023

## EXPERIENCE

<b>Grocer Associate</b> <i>Wolt</i>	Nov 2024 – Present Berlin, Germany
<ul style="list-style-type: none"><li>Processed customer orders efficiently using the Wolt Merchant app, ensuring timely fulfillment</li><li>Picked and packed groceries accurately, maintaining high customer satisfaction</li><li>Ensured store organization by maintaining cleanliness and orderliness in all areas</li><li>In-bounded stock accurately while maintaining the cold chain to ensure product quality</li></ul>	
<b>Student Lab Assistant</b> <i>FAST NUCES</i>	August 2022 – January 2023 Karachi, Pakistan
<ul style="list-style-type: none"><li>Assisted 50+ students in understanding fundamental programming concepts in C, leading to improved course performance</li></ul>	
<b>Teaching Assistant</b> <i>FAST NUCES</i>	August 2021 – August 2022 Karachi, Pakistan
<ul style="list-style-type: none"><li>Graded quizzes, assignments and evaluated students on projects for Computer Organization and Assembly Language course</li></ul>	

## PROJECTS

<b>Weather Forecast Web App</b>   <i>Python, Django, JavaScript, Docker</i>	2024
<ul style="list-style-type: none"><li>Developed a dynamic weather forecasting web application using Django, leveraging Open-Meteo's API for real-time weather data</li><li>Implemented features including current weather conditions, air quality index, and a 5-day forecast</li><li>Containerized the web app using Docker and deployed the website on localhost using gunicorn and nginx</li></ul>	
<b>IoT Honeypot for Application Layer</b>   <i>Python, Flask, HTML, CSS, MySQL, Linux</i>	2023
<ul style="list-style-type: none"><li>Developed a CoAP server in Python using aiocoap library and created an API to get data from IoT (Internet of Things) device database</li><li>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</li><li>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.</li><li>Successfully deployed the web app on Digital Ocean, integrating it with a Namecheap domain</li></ul>	
<b>Flutter Application Back-end</b>   <i>Python, Django, Insomnia, Flutter, Dart</i>	2022
<ul style="list-style-type: none"><li>Created 10+ RESTful APIs in Django-Python to perform CRUD operations on SQLite database</li><li>Implemented API calls in Flutter-Dart application and successfully retrieved and parsed data from endpoints</li></ul>	

## 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