



TAHA MURTAZA GAIN

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EDUCATION

Saarland University

Masters of Science in Computer Science

Saarbrücken, Germany

April 2022 – Present

Bahria University

Bachelors of Science in Computer Science

Karachi, Pakistan

February 2017 – January 2021

EXPERIENCE

Technical Consultant Working Student

Mutares SE & Co. KGaA

January 2024 – Present

Munich, Germany

- Designed and delivered tailored solutions using Microsoft Power Platform, including Power Automate and custom JavaScript.
- Migrated legacy applications to modern platforms, ensuring seamless data transfer and operational continuity.
- Developed a Preventive Maintenance System for a dairy factory to manage tasks and schedule machine maintenance.
- Automated workflows and processes with Power Automate, improving efficiency and reducing manual effort.
- Conducted system testing and client reviews to ensure high-quality deliverables.
- Collaborated within Agile teams to refine solutions based on feedback and evolving requirements.

Web Developer Working Student

Software AG

June 2022 – December 2023

Saarbrücken, Germany

- Developed web applications using PHP, TWIG, CSS, and JavaScript.
- Created custom modules and themes in Drupal, utilizing Views for enhanced functionality.
- Fixed bugs and ensured optimal website functionality.
- Collaborated with teams to deliver effective web solutions.

Associate Technical Consultant

Systems Limited

December 2020 – March 2022

Karachi, Pakistan

- Collaborated with the development team on the Customer Service Module for the International Renewable Energy Agency (IRENA), involving direct customer interaction, requirement gathering sessions, and providing tailored solutions.
- Designed and developed a Customer Service Portal and Power Virtual Agent demonstration for MusicTribe to showcase innovative customer service solutions.
- Built customizations, configurations, and business applications using PowerApps and Canvas Apps, optimizing workflows and enhancing usability.
- Worked closely with clients and business analysts to gather, analyze, and translate business requirements into functional designs and deliverables.
- Delivered solutions aligned with business needs, ensuring high quality, scalability, and user satisfaction.

CERTIFICATIONS

- PL-900: Microsoft Power Platform Fundamentals
- PL-200: Microsoft Power Platform Functional Consultant
- MB901: Microsoft Dynamics 365 Fundamentals
- MB230: Microsoft Dynamics 365 Customer Service Functional Consultant
- Microsoft Certified Trainer (2021–2022)

PROJECTS

Master's Thesis: Enhancing BBR with Network-Assisted Congestion Feedback

NS-3, Programmable Switches, TCP Protocols

Ongoing

- Explored the integration of Network-Assisted Congestion Feedback (NCF) to improve the efficiency of BBR.
- Utilized programmable switches to extract parameters like queue size, bottleneck bandwidth, and competing flows.
- Enhanced fairness and performance by using sub-RTT reactions and explicit feedback signals.

Bachelors Thesis: Route Selection to Multiple Destinations Using Optimal Path Algorithm

Android Studio, Databases

Aug 2019 – Jan 2020

- Developed a bus hailing application using Android Studio for optimal path estimation.
- Investigated and studied optimization techniques and APIs of existing studies for pathfinding.
- Implemented databases on different routes of Karachi city and developed an efficient GUI application.
- Tested the system using various inputs to evaluate its performance and usability.

Speaker-Independent Spoken Digit Recognition

Machine Learning, Deep Neural Networks

Mar 2023 – Mar 2023

- Developed a system using machine learning techniques to recognize spoken digits independent of the speaker.
- Explored efficient alternatives to Automatic Speech Recognition using data augmentation techniques.
- Accurately classified short audio clips of spoken digits into their respective classes using deep neural networks.

Hotel Room Reservation Software

Canvas Apps, Power Automate

Dec 2022 – Jan 2023

- Developed a hotel room reservation system using Microsoft Canvas Apps to allow users to select and book rooms.
- Utilized the gallery control in Canvas Apps to display room details dynamically from the database.
- Integrated Power Automate to automate booking workflows and generate confirmation notifications.

TECHNICAL SKILLS

Microsoft Power Platform: Power Automate, Model Driven Apps, Canvas Apps, Pages, Virtual Agent

Microsoft Dynamics 365: CRM (Sales, Customer Service)

Languages: C#, C++, PHP, JavaScript, Python, HTML, CSS

Web & Cloud: ASP.NET Web APIs, FetchXML, jQuery

Other Skills & Tools: Plugins, Custom Code Activities

LANGUAGES

English: C1

German: A2

Urdu: Mother Tongue