Yasir Maqsood

Work permit: Spanish   **Date of birth:** 31/01/1997   📞 **Phone:** (+34) 603497262

📞 **Phone:** (+34) 603497262   ✉ **Email:** yasirmaqsood1997@gmail.com

in **LinkedIn:** https://www.linkedin.com/in/yasir-maqsood-linked/

ABOUT MYSELF

Analytical and solutions-oriented Software Engineer with a strong academic background in Data Science and practical experience in applied machine learning and cloud-native technologies. Demonstrated expertise in developing and deploying intelligent systems using Python, SQL and OpenCV, alongside robust skills in containerization (Docker, LXC), orchestration (Kubernetes), and infrastructure monitoring (Prometheus, Grafana, Loki). Proven contributor to real-world projects, with hands-on experience in open-source networks (OpenBTS, SRSLTE, Open5Gs), edge computing, and AI-enabled platforms. Recognized for a proactive mindset, technical versatility, and dedication to driving innovation through data-driven methodologies.
Keywords: Software Engineer, Data Analyst, Programming, Software Developer

WORK EXPERIENCE

🏢 *Center Tecnologic de Telecommunicions de Catalunya (CTTC)* – Barcelona, Spain

City: Barcelona | **Country:** Spain
Software Developer / Researcher

[20/11/2024 – Current]

· Software Development & Infrastructure Automation
Designed and developed software solutions using Python, integrated with MySQL databases and Ansible for configuration management and automation.
· Server Configuration & Metrics Monitoring
Configured and maintained Linux servers, leveraging Prometheus, Grafana, and Loki for comprehensive system and application metrics monitoring, logging, and visualization.
· Containerization & Orchestration
Developed and deployed applications using Docker, LXC, and managed container orchestration with Kubernetes, ensuring scalability, high availability, and efficient resource utilization.
· 5G Network Integration
Worked on terrestrial and non-terrestrial networks in 5G, including setup and testing with Open5GS for core network emulation, and Android ADB for mobile device integration and debugging.
· DevOps & Observability Stack
Implemented full-stack observability using Prometheus + Loki + Grafana, ensuring real-time system health visibility and proactive incident response.

🏢 *Crypto Research & Development Center* – Islamabad, Pakistan

City: Islamabad | **Country:** Pakistan
Software Engineer

[03/03/2021 – 31/10/2024]

· Software Application Development using Python, C# & C++
· LTE,UMTS,GSM - RAN development and customization of libraries.
· Signal Analysis of Network Technologies of LTE/UMTS/GSM
· Data Analysis using data analytical tools including Power BI
· SQL for Database Management
· Development of Desktop and Linux-Based Applications

· Fixing and improving existing software
· Integrate software components and third-party programs
· Create technical documentation for reference and reporting
· Worked Independently and in a Team and Achieved Success in Both

🏛 *KP Information Technology Board* – Peshawar, Pakistan

City: Peshawar | **Country:** Pakistan

Web Developer Intern

[08/12/2019 – 07/06/2020]

·   Worked on **JavaScript**, **JQuery**, **ASP.net (MVC)**,**Entity Framework**, **Patterns**, **ADO.NET**.
·   MVC ASP.NET, C#
·   Implemented Code first approach to design Databases.
·   Collaborated in a team-focused environment providing solutions to diverse problems.
·   Provided web security to web application.
·   Investigated and resolved application issue for web-based programs providing end-user support.
·   Developed Databases for web applications and websites.
·   Arranged meetings and modified projects on the basis on feedback by the clients.

EDUCATION AND TRAINING

Master of Science in Data Science

Air University [14/09/2021 – 19/06/2023]

City: Islamabad | **Country:** Pakistan | **Final grade:** 3.58 CGPA | **Thesis:** "A Deep Learning based framework for classification of wheat crop's diseases". Deep learning Methods were utilized in order to classify the diseases found in wheat crops out of 6 classes that the model was trained on. It achieved a significant accuracy in identifying wheat disease from utilizing wheat crop images.

·   Machine Learning
·   Deep Learning
·   Probability and Statistics
·   Data Visualization

BS Software Engineering

Institute of Management Sciences [13/09/2015 – 01/09/2019]

City: Peshawar | **Country:** Pakistan | **Final grade:** 3.53 CGPA | **Thesis:** "Luggage Sharing Web Application". A Web application was developed as a Final Year Project using ASP.Net and C# to facilitate the customers to order anything from abroad through the help of travelers traveling from that country.

PUBLICATIONS

[2024]
Model Agnostic Meta-Learning (MAML)-Based Ensemble Model for Accurate Detection of Wheat Diseases Using Vision Transformer and Graph Neural Networks

Yasir Maqsood, Syed M.Usman, 2024

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

DIGITAL SKILLS TEST RESULTS

Information and data literacy	**ADVANCED**	Level 5 / 6
Communication and collaboration	**INTERMEDIATE**	Level 4 / 6
Digital content creation	**ADVANCED**	Level 5 / 6
Safety	**ADVANCED**	Level 6 / 6
Problem solving	**ADVANCED**	Level 5 / 6

Results from a [self-assessment](#) based on [The Digital Competence Framework 2.1](#)

CERTIFICATIONS

Data Scientist's Toolbox by Johns Hopkins University

Using Power BI with Excel (LinkedIn Learning)

Data-Driven Decisions with Power BI

Power BI Dashboards for Beginners (LinkedIn Learning)

Python for Data Science and AI by IBM

Microsoft Office Specialist

Certificate of "Essentials of Cyber Security & Vulnerability Assessment" by KPCERC

SKILLS

Python

C++

Linux - Ubuntu

SQL

Power BI

Microsoft Office

Bash Scripting

Kubernetes

Ansible

Prometheus

Grafana

LXC

INTERESTS

Cloud Computing

Data Analytics

Data Visualization

Artificial Intelligence

5G/6G

RECOMMENDATIONS

Name: Dr Syed M.Usman | Assistant Professor
- Thesis Supervisor
E-mail: syed.usman@mail.au.edu.pk | **Phone number:** (+92) 3320615294

Name: Dr. Amanullah Yasin | Associate Professor

- Professor and Head of Department
E-mail: amanyasin@mail.au.edu.pk | **Phone number:** (+92) 3218040754

- Professor and Head of Department
E-mail: amanyasin@mail.au.edu.pk | **Phone number:** (+92) 3218040754