

Jawad Qammar



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Sex: Male | Date of birth: 19/02/1996 | Nationality: Pakistan | Religion: Islam
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OBJECTIVES:

To secure a challenging career with a dynamic progressive organization to utilize my abilities, knowledge, and personal insight with integrity to contribute to the development of the organization.

QUALIFICATION:

Master of Science in Computer Engineering (2018-2021)
University of Engineering and Technology, Taxila, Pakistan CGPA: 3.29/4

Program Description: This master's program was focused on digital system design and secure intelligent systems. In addition, students were taught critical thinking and problem-solving skills for research.

Major Courses: Machine Learning, Advance Topics in Computer Engineering, Encryption Techniques.

Master Thesis: "Person Reidentification in Multi-Camera Network Using CNNs".

Supervisor: Dr. Waqar Ahmad

Link: <https://github.com/JawwadQammar/Master-Thesis>

Bachelor of Science in Computer Engineering (2014-2018)
University of Engineering and Technology, Taxila, Pakistan CGPA: 3.53/4

Program Description: This bachelor's program was focused on the integration of software and hardware systems. In addition, students were taught problem-solving skills for developing computer systems.

Major Courses: Artificial Intelligence, Digital System Design, Project Management, Software Engineering.

Bachelor Thesis: "Augmented Reality in a Shooting Game with Real Robots".

Supervisor: Dr. Waqar Ahmad

Link: <https://github.com/JawwadQammar/Bachelor-Thesis>

Higher School Certificate (Pre-Engineering) (2012-2014)
Allied Science College, Gujranwala, Pakistan Division: 1st

Major Subjects: Math, Physics, Chemistry

Secondary School Certificate (Science) (2010-2012)
Grammar Public School, Gujranwala, Pakistan Division: 1st

Major Subjects: Math, Physics, Chemistry, Computer Science

WORK AND EXPERIENCE:

- Software Engineer (IBEX, Lahore, Pakistan)** (Mar 2024-Present)
Closely collaborating with cross-functional teams, engaged in data analysis to identify and resolve issues in software during the development lifecycle.
- Software Engineer (Solution Heights, Lahore, Pakistan)** (Jan 2024-Mar 2024)
Involved in research and development of ERP application, database design and modelling, data migration, data analysis, data warehousing, business intelligence and ETL processes.
- Analyst Software Engineer (IBEX, Lahore, Pakistan)** (Oct 2022-Sept 2023)

L1/L2 support for in house/external/cloud-based applications. Identify the critical/recurring incidents/issues and provide the solution, system level deployments, configuration, testing, troubleshooting, upgrades, R&D, migration, and expansion initiatives.

- **Lab Engineer (HITEC University, Taxila, Pakistan)** (Sep 2019-Oct 2022)
Assigned in Computer Engineering Department to implement lab experiments and projects of various computing courses. Engaged in the supervision of engineering laboratories, co-curricular activities, and co-supervised numerous final year projects.
- **Internee (PITC, Lahore, Pakistan)** (Jun 2016-Aug 2016)
Assigned on load Data improvement Project (LDIP) to manage Data Center and Development of automatic reading infrastructure (AMI) and Digital meter Reading System (DMR).

Publications:

- **Artificial Intelligence in Cardiovascular Diseases: A Systemic Review and Meta-Analysis.**
This journal paper is published in Journal of Population Therapeutics and Clinical Pharmacology Vol. 30 No. 19 (2023).
Link: <https://doi.org/10.53555/jptcp.v30i19.3751>
- **Resolution Representation Based Person Re-Identification for Smart Cities Using Deep Neural Networks (DNNs).**
This conference paper is published in Intelligent Systems track in the proceedings of 10th International Conference on Information Technology (ICIT 2021) for Advanced Machine Learning and Deep Learning held by IEEE at Amman Jordan.
Link: <https://doi.org/10.1109/ICIT52682.2021.9491740>

PROJECTS:

- **Augmented Reality in a Shooting Game with Real Robots**
It is a 'first person shooter' style of game with real world graphics and real robots that you can control and watch through a mobile device or a personal computer.
- **AI Paper Checking System**
This application checks and marks written answers using artificial intelligence algorithm that verifies answers and allocates marks accordingly as good as a human being.
- **Mobile Eye**
Mobile Eye is a project to develop a quadcopter/drone to monitor and observe the university premises remotely on a server. The theme is to replace the dedicated security mobile vehicle with an autonomous drone having a good quality camera.
- **IoT- based Smart Refrigerator**
A smart refrigerator using IoT that can manage items or resources kept in it, save unnecessary cost saves food wastage by keeping track of all items stored in it.
- **I-Agriculture**
It is an automatic system in which we will take information and concrete values for water levels and fertilizers using sensors. Then based on the gathered information, the decision is made to perform relevant action through actuators.

HONORS/ DISTINCTIONS:

- Secured Competitive Position in NESCOM, Pakistan as Assistant Manager. (2023)
- University A1 Category Merit Scholarship for Master (2018-2021)
- University A1 Category Merit Scholarship for Bachelor (2014-2018)

OTHER ACTIVITIES:

- Team Lead of Bachelor Final Year Project. (2017-2018)
- Finance Secretary at CBS UET Taxila and TRAC UET Taxila (2017-2018)
- Organizing Head at ACM UET Taxila (2016-2017)
- IT Co-Head at Comptech UET Taxila (2015-2016)
- Executive Member at SIEP UET Taxila (2014-2016)
- Certificate of Appreciation Open House 2k15 (2015)
- Certificate of Organizer Tech Salvo National Event (2015)
- Certificate of Participation Anti-Corruption week (2014)

SKILLS:

Java (Dr Java, Eclipse, NetBeans, BlueJ), C/ C++/ C# (Dev C++, Microsoft Visual Studio, CodeBlocks, Cuda, OpenMp), Python (PyTorch, OpenCV, NumPy, Pandas, Matplotlib), MySQL/ SQL (Microsoft Management Studio, Oracle, DBeaver, Postman), MATLAB (MATLAB, Simulink, Octave), R (RStudio), Machine Learning, Deep Learning, Big Data, Data Analysis, Data Visualization (Excel, PowerBI), Windows/Linux platforms, MS Office Suite. GitHub, Shell Script, HTML/CSS/JS, Adobe Ps/Corel Draw/Illustrator.

LANGUAGES:

- English: Medium of Instruction
English Competency: IELTS = 6.5 (2023)
- Urdu: Mother Tongue
- Punjabi: Regional

INTEREST & HOBBIES:

Table Tennis, Chess, Travelling, Photography, Community Involvement, Emerging Technologies.

REFERENCES:

1. Name: **Dr. Waqar Ahmad**
Position: Assistant Professor Computer Engineering Department
Organization: University of Engineering and Technology, Taxila, Pakistan
Email: waqar.ahmad@uettaxila.edu.pk
 2. Name: **Dr. Naveed Khan Baloch**
Position: Assistant Professor Computer Engineering Department
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