



# Engr. BISMA TARIQ

COMPUTER SYSTEMS ENGINEER

**Date of birth:** 31-10-1999

**Gender:** FEMALE

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## OBJECTIVE

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As a highly motivated Computer System Engineer, I am seeking a challenging role where I can utilize my skills in machine learning, deep learning, data analysis, and programming to solve complex business problems. I am passionate about developing innovative solutions that improve business operations and enhance user experience.

## SKILLS

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<b>AI Framework:</b>	TensorFlow, Keras, PyTorch, SpaCy, Scikit-learn, Pandas, NumPy
<b>Deep Learning:</b>	Transformers, CNNs, RNNs, LSTM, Attention-Mechanism,
<b>Data Science:</b>	Data Cleaning, Data Visualization, Statistical Analysis, Feature Engineering, Model Selection, Evaluation Metrics
<b>Programming Languages:</b>	Python, Java, C++
<b>Tools:</b>	VS Code, Google Colab, Jupyter Notebook, Unity
<b>Other</b>	GPU, Project Management, Report Writing

## EDUCATION

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2021 - 2023	<b>National University of Sciences &amp; Technology</b> Information Technology/ MASTER SEECs
2017 - 2021	<b>Islamia University of Bahawalpur,</b> Computer Systems Engineering / Bachelor Attain Gold Medal in Bachelor

## EMPLOYMENT

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2023 - Present	<b>Ultimate Outsourcing, Bahawalpur</b> Sr. ML Engineer - Designing and developing deep learning algorithms and models for automated resume parsing and screening, significantly reducing manual effort and improving efficiency
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in the hiring process.

- Conducted extensive data analysis and exploratory data analysis (EDA) to identify patterns and trends in resumes, enhancing the software's ability to match candidates with job postings.
- Experienced in handling NVIDIA RTX GPUs for large-scale deep learning tasks, including model training and optimization.
- Actively participated in team meetings, code reviews, and brainstorming sessions to foster a collaborative and innovative work environment.

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May 2024 - July 2024

**National Center of Artificial Intelligence - NCAI, Pakistan, Islamabad**

AI Engineer

- Developing advanced chatbot solutions as an AI Engineer, leveraging NLP and machine learning techniques with a major focus on Transformer models to enhance user interactions and automate customer support.
- Designing and implementing sophisticated chatbot architectures, focusing on natural language understanding and generation to improve conversational AI capabilities.

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Nov 2023 - Jan 2024

**RISETech, Islamabad**

ML Engineer Internship

- Remote-based
- Actively working to the development of Graph Neural Networks (GNNs) during the ML internship.
- Participated in team meetings, code reviews, and brainstorming sessions.

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Sep 2022 - June 2023

**mimAR Studio, Islamabad**

Unity Developer

- Worked on developing PC games, implementing game mechanics and creating assets using Unity.
- Worked on AR/VR apps.
- Collaborated with a team of developers, artists, and designers to create engaging and immersive gameplay experiences.
- Participated in code reviews and provided feedback to team members

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## ACADEMIC PROJECTS

2022 - 2023

**Intrusion Detection System Using Transformers**

Tools : VS Code, Google Collab, Python, Transformers, Attention-mechanism

- Project on "Intrusion Detection System Using Transformers" - Research focuses on addressing the challenge of imbalanced network traffic through the implementation of an attention mechanism, specifically utilizing a transformer architecture.
- Additionally, to ensure the computational demands of this

task are met, leveraging the capabilities of a supercomputer for enhanced computational resources.

2020 - 2021	<b>Object Detection and Classification on Drone Data Using Deep Learning</b> Tools : Google Collab, Python, Yolov4, CSPDarknet53 - Completed "Object Detection and Classification on Drone Data Using Deep Learning" for my final year project. The project's objective was to establish a comprehensive system for object detection and classification, tailored specifically for drone-generated data. - Engineered an end-to-end solution that enables real-time object detection on Unmanned Aerial Vehicles (UAVs).
Oct 2018 - Jan 2019	<b>Student Management System Application</b> Tools: Android Studio, Firebase Database, Java Develop an android application "Student Management System" for term project. The project was to store login information of the students in to the database in order.

## HONORS & AWARDS

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2021	Gold Medal in Bachelor Degree of Computer Systems Engineering
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## PERSONAL ATTRIBUTES

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Self-Motivated,  
Strong Picking Power,  
Interpersonal and Teamwork Skills,  
Good Analytical and Problem-solving Skills,  
Excellent Multi-tasking and Time Management Skills,  
Excellent English reading and writing Skills,  
Excellent attention to details.

## CERTIFICATIONS

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2018	SPAX 2018: A one day workshop on leadership, IEEE
2019	Seminar: Importance of Questions in our lives, WIE IEEE
2019	SPAX Workshop: Report Writing, WIE IEEE
2019	Young Entrepreneur Summit, Department of Management Sciences(DMS)
2020	Graphic Design Masterclass - Learn GREAT Design, Udemy
2020	Digital Design Masterclass For Graphic Designers, Udemy
2021	Machine Learning A-Z: Hands-On Python & In Data Science, Udemy

2021	SEO Training, DigiSkills
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2021	Freelancing Training, DigiSkills
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## **INTERESTS**

Machine Learning, Deep Learning, Robotics, Computer Vision, , Mobile Application, and Graphic Designing.

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## **REFERENCES**

Reference will be furnished upon request.

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