



Syed Mustafa Imam

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About me:

Being an aspiring Computer Scientist, I am always ingeniously looking to solve real-world problems. I am currently enrolled in my 8th semester of Bachelors of Computer Science with CGPA 3.9 from SZABIST Karachi, Pakistan.

WORK EXPERIENCE

1 OCT 2021 – CURRENT – Karachi, Pakistan

TEACHING ASSISTANT – SHAHEED ZULFIKAR ALI BHUTTO INSTITUTE OF SCIENCE AND TECHNOLOGY (SZABIST)

→ I was selected as a teaching assistant for the Data Science course due to my knowledge of Python, data structure, and data science. My roles entail the following:

- Preparing lecture materials.
- Conducting extra classes to revise the concepts delivered by the lecturer.
- Conducting labs sessions.
- Marking assignments and tests.

1 JUN 2021 – 1 SEP 2021 – Vilnius, Lithuania

LEAD SOFTWARE DEVELOPER – GEN4GEN

→ WEB DEVELOPMENT

- Designed and developed a website from scratch using MERN Stack.
- Worked with team on different modules.
- Managed and supervised an international team of front and backend developers.

→ CLOUD DEPLOYMENT

- Setup and managed the Oracle cloud instances.
- Worked on the website deployment over cloud.

IT department

5 OCT 2020 – 10 JUN 2021 – Canberra, Australia

REGIONAL AMBASSADOR – HACKMAKERS

- Worked collectively with Hackmakers ambassadors to cross-promote #DigitalDefence Hackathons onto various social platforms and distribution channels. (In the previous year, participation from Pakistan was only 2%. Due to my efforts in introducing #DigitalDefence Hackathons in Pakistan, participation increased to 450+ participants, which was 16% increase compared to the previous year)
- Led engagements throughout the Hackmakers platform by facilitating introductions, team forming, and community-building activities.

EDUCATION AND TRAINING

1 OCT 2018 – CURRENT – SZABIST 99, 100, 153, 154 and F79., 3rd Ave, Block 5 Clifton, Karachi, Karachi

BACHELOR'S OF COMPUTER SCIENCE – Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST)

I got **A+** in the following many courses including:

Calculus and Analytical Geometry, Fundamentals of Programming, Introduction to Computer Science, Object-Oriented Programming Techniques, Multivariate Calculus, Computer Organization and Assembly Language, Database Systems, Finite Automata and Formal Languages, Design and Analysis of Algorithms, Linear Algebra, Communication and Presentation Skills, Numerical Computing, Operating System, Compiler construction and Design, Software Engineering, Artificial Intelligence, Technical writing, Computer Networks and Data Communications.

Field(s) of study

- Computer Science

3.9 | <https://www.szabist.edu.pk/>

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	B1	B2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Programming Languages

C | Java | Javascript | Basic Rust | Python

Front-end

HTML5/CSS, Javascript | React Hooks / React Bootstrap / React Router / React Hooks

Back-end

Node js (express framework) | Web API (RESTful, GraphQL)

Databases

Oracle | NoSQL (MongoDB) | SQL (MySQL)

Operating System

windows os | Linux platforms (Debian, Ubuntu, RHEL, CentOS, SLES, Oracle Linux, Alpine)

Tools and Methods

Data Visualization (Tableau, Carto) | GIT & Github | CICD pipelines | Python/Anaconda | Docker products | AWS Fundamentals | Azure Fundamentals | Jenkins Ansible Docker AWS | Oracle Cloud | Google Cloud

PUBLICATIONS

Changing the Paradigm of Mixed Reality (MR) in the Education Sector through Microsoft HoloLens

https://www.researchgate.net/publication/348393915_Changing_the_Paradigm_of_Mixed_Reality_MR_in_Education_Sector_through_Microsoft_HoloLens – 2020
In this research paper, the discussion will be regarding the advance and evolutionary use of Mixed Reality (MR) experience with Microsoft HoloLens.

PROJECTS

4 APR 2021 – 12 JUN 2021

Smart Covid-19 Vaccine tracking (Mobile, web and desktop Application)

https://www.youtube.com/watch?v=LTwiPRA_Lhw

This project aims to ease the process of covid vaccine registration for the population of Pakistan while also reducing the workload of frontline health care workers, working at vaccination center by digitizing the entire process from registration to the management of both of the doses by limiting the use of paper to manually write the records and linking all the vaccination centers together.

10 MAR 2021 – 5 JUN 2021

Used cars price predictor using Machine Learning and Deep learning.

<https://www.kaggle.com/mustafaimam/used-car-prices-in-pakistan-2021>

Building a model for Pakistan used car market with the best accuracy by understanding the factors on which the pricing of used cars will depend.

5 OCT 2020 – 3 JAN 2021

Tafcal Compiler

<https://github.com/SyedMustafalmam/Compiler-Construction-Project>

This is a compiler for the language defined by our course instructor. It can recognize lexeme and it will decide that the lexeme should go into the symbol table or not. It also assigns the token type and attributes value to each token. This TAFCAL Compiler can also find some basic Errors. It can also extract the values from the SLR(1) parse table and also from the given CFG.

HONOURS AND AWARDS

5 DEC 2020

Merit Scholarship - 1st Position – Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST)

I have got Merit Scholarship in 1st, 2nd, and 3rd year.

1 SEP 2020

Innovation Challenge - Winner – ASME (American Society Of Mechanical Engineers)

This was the innovation competition organized by ASME, in which 13 countries participated and among them, my Microsoft hololens project was the one that got selected. Also, I was the first one to develop an application for Mixed reality in my university.

[https://web.facebook.com/plugins/post.php?](https://web.facebook.com/plugins/post.php?href=https%3A%2F%2Fweb.facebook.com%2Fszabistofficial%2Fposts%2F3341589772590084&rdc=1&rdr)

[href=https%3A%2F%2Fweb.facebook.com%2Fszabistofficial%2Fposts%2F3341589772590084&rdc=1&rdr](https://web.facebook.com/plugins/post.php?href=https%3A%2F%2Fweb.facebook.com%2Fszabistofficial%2Fposts%2F3341589772590084&rdc=1&rdr)

1 AUG 2020

#BuildwithAI Global Hack: 4th Position – Hackmakers

The #BuildwithAI Global Hack is a bi-annual global hackathon centered around the application of best-practice data science and artificial intelligence processes to address global challenges.

<https://youtu.be/R3PnLShczq4>

VOLUNTEERING

3 APR 2019 – 6 APR 2019

Blood Donation Drive Organizer

The Indus Hospital

We raised blood donations in collaboration with Indus Hospital at SZABIST. We also created awareness for blood donation.

10 OCT 2018 – 10 OCT 2018

Student Fundraiser

Lions Clubs International

During this drive, we have raised funds for cancer patients.

CERTIFICATIONS

27 JUN 2020 – 17 JUL 2020

Neural Networks and Deep Learning

deeplearning.ai

Final Project: Created a deep neural network and built a deep neural network application that classifies cat vs. non-cat images.

<https://github.com/SyedMustafalmam/Image-Classification-with-Logistic-Regression>

16 DEC 2019 – 7 MAY 2020

Artificial Intelligence Programming with Python Nanodegree

Udacity

Final Project: In this project, I have built a Python application that can train an image classifier on a dataset, then predict new images using the trained model.

<https://github.com/SyedMustafalmam/Image-Classifier-with-Deep-Learning>

11 MAR 2022 – 26 MAY 2022

AWS Academy Cloud Foundations

https://www.credly.com/badges/d0d02126-fd51-4a11-93aa-5c05f0f91bc6/public_url

RECOMMENDATIONS

Irma Lukoseviciene – Founder of Gen4Gen

Mustafa was a great team member and a lead as he could delegate and empower other members on different tasks. He recognizes the problems and immediately takes an action to solve them as well as perfectly acts in stressful situations. He is totally motivated in what he is doing and accumulates all kinds of information very fast and professionally. He is not afraid of doing the extra mile in his duties. I would highly recommend Syed as an asset to any Software development team in the future.

Saqib Sadiq – Course Instructor

I had the privilege of teaching Syed Assembly Language programming. During my course, he demonstrated keen technical insights and an eagerness to excel beyond the minimum requirements. For the final semester project, his group managed to put together an outstanding presentation that demonstrated programming abilities beyond his other classmates. I am certain Syed would be a valuable asset for any technical team.

Saif Haque – Mentor

A self-starter, he got to the grips of the task in an extremely compressed time scale, he knew exactly where he could add the most value for the overall task, fitting in with the rest of the team for the Predictive algorithm task he took on the mantle for producing the campaign's video in between finessing Algorithm output, the visualization and finalizing the overall presentation over several iterations. Syed demonstrated passion for AI, keenness to learn, and drive to solve problems with the team that was spread across several time zones. Overall Syed's contributions were significant which reflected very well in the outcome when the team was judged one amongst the finalists and bagged the fourth prize for the Predictive Algorithm challenge. Syed will be an asset to have in AI/Data Science team. I wish him all the best for the future.