

Alina Maryum

Contact # +92 - 3115142603

E-mail: aleenamaryumzia@gmail.com

CAREER OBJECTIVE:

To utilize my education and analytical skills for enhancement of organizational effectiveness and public relations

- to encourage creative thinking as a software engineer among students
- to gain valuable work experience in a team-oriented environment

PERSONAL INFORMATION:

Father Name:	Tabasum Zia Qazi
Nationality:	Pakistani
CNIC:	37406-0584395-6
Religion:	Islam
Postal Address:	17 S-S Laiq Ali Chowk, Wah Cantt
Permanent Address:	CB-1102 Riasat Abad, Wah Cantt
Domicile:	Punjab
Languages:	Udru (Native), English (Professional)

ACADEMIC QUALIFICATIONS:

2022 (In progress)	PhD Software Engineering NUST College of E&ME, Peshawar Road, Rawalpindi	3.92/4.0 CGPA
2019-2021	MS Software Engineering NUST College of E&ME, Peshawar Road, Rawalpindi	3.95/4.0 CGPA
2015-2019	Bachelor's in Software Engineering Fatima Jinnah Women University, The Mall, Rawalpindi	3.73/4.0 CGPA
2013-2015	Intermediate of Engineering FG Degree College for Women, Wah Cantt	966/1100 A+ Grade
2011-2013	Matriculation in Science Sir Syed College, Campus-1 Wah Cantt	969/1050 A+ Grade

ACADEMIC PROJECTS:

- Digital Stopwatch (using capacitors, resistors and ICs on breadboard)
- Light Following Robot (using LDR's and transistor)
- **Hospital Management System** (Desktop-application using Visual studio 2010 in C# language)
- **Travel and Tour Management System** (Web-application using Dreamweaver and Wamp Server in PHP)
- **Cardiovascular Disease Visualization and Classification** using various Data Mining Techniques
- **Classification of EEG Data using Deep Learning** (BCI Challenge IV Dataset 2b)
- **Heart Disease Prediction using Stacking Ensemble Classifier** (Kaggle Dataset)

FINAL YEAR PROJECT:

Design and Implementation of an IoT Based Remote Triggering System to assist mobile data security featured with Screen Mirroring.

- **Platform:** Android Studio
- **Design Tool:** Rational Rose (Enterprise Edition), MS-VISIO, Star-UML

- **Development tool:** Android Studio 3.0.1
- **Programming Languages:** Java, XML

MS THESIS TOPIC:

Cassava Leaf Disease Classification using Deep Neural Networks

- **Description:**
My MS research work was about leaf disease classification for which I had used EfficientNet model for training. The dataset is available on Kaggle having about 21K images belonging to 4 diseases and 1 healthy leaf. Prior to training, images were segmented using UNet model to extract only the leaves from background.
- **Platform:** Colab Pro
- **Programming Languages:** Python

INTERNSHIP:

- **Title:** Web Designer and Developer
- **Company:** MS technologies, Gerolstein, Germany
- **Duration:** July, 2018 – September, 2018

TEACHING EXPERIENCE:

- **Designation:** Teacher Assistant (Lab Engineer)
Institution: College of E&ME, NUST, Rawalpindi
Duration: Nov, 2020 - Jun, 2021

POST QUALIFICATION TEACHING EXPERIENCE:

- **Designation:** Lecturer
Institution: Air University, Islamabad
Duration: Sept, 2025 – Present
- **Designation:** Lecturer
Institution: National University of Technology (NUTECH), Islamabad
Duration: Apr, 2024 - Aug, 2025
- **Designation:** Lecturer
Institution: University of Wah, Quaid Avenue, Wah Cantt
Duration: Feb, 2022 – Apr, 2024

TECHNICAL SKILLS:

Programming Language(s): C, C++, C#, PHP, Java, JavaScript, Python
Tools: Turbo C, Visual Studio, Dreamweaver, MATLAB, SQL Server, Oracle, Android Studio, Pycharm, R-Studio, google Co-lab

PERSONAL INTERESTS AND HOBBIES:

- Playing Badminton and Cricket
- Painting and Reading books

RESEARCH PUBLICATION(S):

- A. Maryum, M. U. Akram and A. A. Salam, "Cassava Leaf Disease Classification using Deep Neural Networks," 2021 *IEEE 18th International Conference on Smart Communities: Improving Quality of Life Using ICT, IoT and AI (HONET)*, pp. 32-37, 2021.
- A. Maryum and N. Gull, "Leveraging Deep Learning for Accurate Fracture Detection and Classification Using X-Ray Images," 2024 *19th International Conference on Emerging Technologies (ICET)*, Topi, Pakistan, pp. 1-6, 2024.

EDUCATIONAL AWARDS AND ACHIEVEMENTS:

- Certified with Kangaroo International Contest held in 2010 at SSC level.
- Certified with Certificate of Excellence in 2014 at HSSC level.
- Awarded with a Laptop under Prime Minister's Laptop Scheme in 2017 at the Undergraduate level.
- Gold Medalist at College of E&ME, NUST, Rawalpindi in session 2019-2021 and among top position holders at Fatima Jinnah Women University, Rawalpindi in session 2015-2019.
- Certificate of Organizing the Open House & Job Fair 2023 at University of Wah-25th May 2023 as a Placement Officer.
- Working knowledge of Outcome Based Assessment (OBE).
- Certificate of being a Judge at Tech'On Annual Event at University of Wah.
- Member of various committees including Admission Committee, Curriculum Devising Committee, Placement Officer, Internal FYP Evaluation Committee at University of Wah.
- Runner Up in 3-Minute Thesis module of All Pakistan Computer Project and Exhibition Competition (COMPPEC'25).