Muhammad Ali

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Career Objectives:

To leverage my technical skills and knowledge in software engineering to develop innovative solutions, contribute to impactful projects, and grow as a professional in a dynamic and challenging environment

Professional Skills:

Soft Skills:	Leadership, interpersonal skills, communication, team management, time management, problemsolving, adaptability, and collaboration.
Technical Skills:	Python, Tensor Flow, SQL, No SQL, Flutter, Java, Php, React, HTML, CSS, Entity Framework, Html, Wire Framing , Dart , Firebase,MongoDB , AI model training , StarUML, Cisco, Google Colab, LaTeX, and technical documentation. Familiar with Git & Kaggle.

Education

NUST – National University of Science and Technology.
Masters of Science in Software Engineering (1st Semester)

NUML - National University of Modern Languages.

Bachelor of Science Software Engineeing	**2021-2025**
CGPA: 3.21/4.00	

| Major: | Object-Oriented Programming, Data Structures and Algorithms, Software Requirement Engineering, Formal Methods, Software Design and Architecture, Operating Systems, Software Construction and Development, Web Engineering, Human Computer Interaction, Artificial Intelligence, Computer Networks, Information Security, Software Quality Engineering, Mobile Application Development, Software Re-engineering, Software Project Management, Operations Research, Web Engineering 2 | |

APS, KOHAT	**2021**
F.Sc (Physics, Chemistry, Mathematics) 63%	
APS, SGD	**2018**
Matriculation (Physics, Chemistry, Computer Science) 83%	

Projects

***Final Project*: SIGNEASE, a chat app that enables deaf individuals to communicate with hearing individuals by converting sign language gestures into text.** [flutter, python, Modeltraining,Firebase]

SIGNEASE supports two-way communication, where deaf users can send A video of sign language gestures that are converted into text and audio for hearing users. Similarly, hearing users can send text or audio messages that are converted into text for deaf users, ensuring seamless two way interaction.

Semester Projects:

Student Management Record [C++] :
Created a C++ system to manage student records, supporting data entry, updates, and retrieval.
Dynamic Personal Portfolio Website [PHP, CSS, JS and HTML]:
People can input their information and use as a personal portfolio website single user and dynamic website.
SDS & SRS of Indrive [SDS, SRS]:
Prepared Software Design and Requirement Specifications for the Indrive application.
Water Filtration Plant Database [SQL]:
Built a SQL database to manage filtration plants inventory, sales, and customer data.
To do list webite [React]:
A website that enables users keeps track of their daily tasks and daily progress.

Personal Projects:

Chat App [Firebase Integrated, Flutter]:
Created a real-time chat app using Flutter and Firebase for instant messaging and user authentication.

Job Recommendation App [Firebase Integrated, Flutter]:

Built a Flutter app with Firebase to recommend jobs based on user profiles and preferences.

Ping Pong Game [OOP, Java]:
Designed a single-player Ping Pong game in Java using Object-Oriented Programming concepts.

Train Reservation System [C++, DSA]:
Developed a C++ train reservation system utilizing data structures for managing bookings and schedules.

Billboard Tracking App [Firebase Integrated, Flutter]:
Created a Flutter app with Firebase to track and manage billboard advertisements and locations.

Tic Tac Toe Game [Flutter]:
Built a classic Tic Tac Toe game in Flutter with interactive UI and two-player support.

Journal Website[Next js]:

Users can Publish Their Resech papers and get rewied and commented by reviewes and other administrative users.

Work Experience

DHA Multan Application Developer Intern (Flutter)	**June 2023 - Oct 2023**
SCO 62 CSB Rawalpindi Telecommunication Intern. Had the opportunity to closely examin their Systems of Huawei and their Work flow.	**July 2024 - Aug 2024**
Tech Net Cloud (Remote) Had the opportunity to gain valuble experinec in web based projects and work on web related projects like personal portfolio website.	**June 2024 - Aug 2024**
Teaching At KAPS Acadamy Taught Computer science (9,10,11,12)	**Sep 2024 - Dec 2024**
ISPR Winter Internsip Media Related internship also was nominated CR of the entire internship batch at Rawalpindi	**Jan 2025 - Feb 2025**
InoTech Solutions Internsip Artifical Intellegence Intern (Python , Model Tranning ,RAG , LLM , Next Js , Docker ,Ollama, MetaLlama Models , Yolo , AWS , Odoo)	**June 2025 - Oct 2025**
Lads Technology SEO Specialist	**Nov 2025 - Present**

Achievements

3rd place in Open House FYP (2025)

Won 3 Medals in Swimming (Gold (Free style) , Silver (3x3 Medly race) , Bronze (Back Stroke)) (2022)

Won Runners up in Basketball Competition and Best player of the tornament (2021)

Trainings / Certification

Flutter Essential Training: Build for Multiple Platforms (2025)

React JS Tutorials By Great Learning (2024)

Html and CSS Basics by Open Waver. (2023)

Website Development with WIX by Coursera (2023)

Organic Marketing by Coursera (2023)

SEO Foundations by David Booth (2023)

Activities

IEEE Member at Numl University, Rawalpindi.

Blood Donor

Interests

Traveling, Nature, Mountains, Exploring New Cultures, Personal Growth, Volunteering, Swimming and Learning.

Publications

SignEase: An AI-Based Application for Voice and Sign Recognition" – Research paper accepted for presentation at an upcoming International Conference on IEEE-CMT, scheduled to be held on **13–14 November 2025**