

Ansab Butt

BSc in mechatronics and control engineering, 2024 | [LinkedIn.co/ansab-butt](https://www.linkedin.com/in/ansab-butt)
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EDUCATION

UET LAHORE

BSC MECHATRONICS AND CONTROL
ENGINEERING

Aug 2020 | Lahore, Punjab

HIGHER SECONDARY SCHOOL CERTIFICATE

HSSC. May 2019 | Swabi, Pakistan

LINKS

Facebook:// [Ansab Nawaz](#)

Github:// [ab482065](#)

LinkedIn:// [ansab-butt](#)

Twitter:// [@Ansab](#)

COURSEWORK

COURSERA

Introduction to Deep learning

Prompt engineering

Crew AI based agentic models

IBM Data engineering

Google AI Essentials

IBM Data Science

Microsoft AI Fundamentals

AWS Getting started with Devops

UNDERGRADUATE

Machine Vision

Intelligent Systems

Industrial Automation

CAD/CAM

Linear Algebra/ Vector and Complex

Analysis/ DET

Modelling and Simulation

SKILLS

Expert:

Python • Machine Learning • Open Voice

• Microsoft Azure

Deep Learning • Tensorflow • SQL • RAG

LLMs • Diffusion Models • ASR

Integration • Computer Vision • Power BI

• Data Science • Data Engineering •

Bedrock

Intermediate:

C • C++ • Voice to text •

Super-Computing • GPUs • Cuda/CudNN

• Linux/Unix • AWS • RUST • Git/Github

• Vector DB

Non-Technical:

Sales Technician • Leadership •

Communication skills • Pitch presenter •

Entrepreneurship • Business Analyst

EXPERIENCE

NUST | RESEARCH ASSISTANT

May 2023 - Present | Islamabad, Isb

SINES | TECHNICAL TEAM LEAD + SOFTWARE ENGINEERING INTERN

June 2023 – Sep 2023 | Islamabad, Isb

- Lead a team of 4 capable AI engineers throughout an international competition at Synapse
- Built a state of the art AI hybrid vision transformer architecture for brain multi modal brain tumor segmentation
- Submitted 2 draft research papers as a part of the contest.

FIVERR/UPWORK | FREELANCER

Aug 2020 – Present | USA/Canada/Europe, Remote

- Worked on Startup based projects for multi national clients from USA, UK, Canada and Europe in the domain of AI and Machine Learning.
- Maintained a rating of 4.67/5 throughout the whole journey.

KPMG | DATA ANALYTICS INTERN

Jun 2022 – Sep 2022 | Sydney, Remote

- Worked on organisational databases related to Tax and Finance operations
- Developed rigid data warehousing systems for ETL processes and data integration.
- Experienced tech stacks like data bricks and data lakes for large scale operations.

RESEARCH

SCHOOL OF INTERDISCIPLINARY ENGINEERING SCIENCES | ASSISTANT RESEARCHER

Jun 2023 – Present | Islamabad, Isb

Worked with Dr Absaar UI Jabbar and Miss Shakira on multi modal MRI segmentation using hybrid visual transformer architecture based on Unet 3D.

AWARDS

2021 Member of the month Kaar-e-Kamal

2023 Best Internee SINES

2024 RIC Seed Fund Winner for pre startup

2022 Social Volunterr Arranged food for more than 100+ needy people

PROJECTS

- **AI_Artdojo:** Harnessing the power of SDXL Lightning and Diffusion models to generate stunning artwork and creative visuals.
- **Real-Time Twitter Sentiment Analysis:** Developing a system to analyze and visualize sentiment trends in real-time.
- **VR/XR-Enhanced Hybrid visual architecture:** A hybrid visual transformer model for multimodal MRI segmentation with VR enhancement for preoperative surgery.

PUBLICATIONS

- [1] M. A. Butt and A. U. Jabbar. Hybrid multihead attentive unet-3d for brain tumor segmentation. *arXiv preprint arXiv:2405.13304*, 2024.