

## Abdullah Bin Masood

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### EDUCATION

#### Ghulam Ishaq Khan Institute of Engineering Science & Technology (GIKI)

Swabi, PK

BS Engineering Sciences; Major in Micro-Electronics and Semi-conductors

class 2021'

- Best Design of RC aircraft Award for DBFC'14 ( Design Head, Team Icarus 1 GIKI)
- Secured 5<sup>th</sup> position with media award in UAS IMechE challenge, UK ( Automation Lead, Team Foxtrot GIKI)
- Microsatellites systems of CUBE SAT ( Local Winner of Speak out for Engineering, IMechE Pakistan)
- Organized workshop on Reverse Engineering (WRE) in 2020,2021 ( Treasurer, IMechE GIKI Chapter)

#### Unique School System

Lahore, PK

- Matriculation and FSc from BISE Lahore
- Overall Earned A\*, A grades respectively

Class 2015' & 2017'

### EXPERIENCE [LinkedIn: abdullah bin masood](https://www.linkedin.com/in/abdullah-bin-masood)

#### **Ekkel.AI** (AI Engineer)

##### Generative AI & Computer Vision

April 2024 – Present

Lahore, PK

I lead AI Department with direct report to CEO for production & Lead Projects on LLMs, Huggingface models, mistral llama & using langchain, llama index and multiple embedding models, has been a key member in R&D spot for Computer Vision, Data Science, Numpy, Pandas, Pytorch, TensorFlow & DevOps on AWS, Runpod, Local server, Lambda, ECR, CI/CD, Code-Commit, Github, Google-Colab & Fastapi, Ubuntu OSX, command shell.

#### **Highbit Sol** (AI Engineer)

##### Generative AI & Computer Vision

Aug 2023 – Feb 2024

Lahore, PK

I lead AI Department. Lead Projects on GANs, Computer Vision, Data Science, Numpy, Pandas, Pytorch, TensorFlow & DevOps on AWS, EC2, Lambda, ECR, CI/CD, Code-Commit, Github, Google-Colab & FastAPI. I'm consistent towards Quantum Computing Era.

#### **Fellowship.AI** (Research Fellow)

##### GANs, Computer Vision & Data Science

July 2023 – Oct 2023

Remote, US

AI-based Fashion Image Modification, using ControlNet, Stable Diffusion, Viton-HD, GANs. Fast.ai, Hugging-Face community

#### **Musketeers Tech** (Lead AI Engineer)

##### Natural Language & Computer Vision

April 2023- Aug 2023

Lahore, PK

Lead AI engineer follows the project management & development for Process AI & NLP using LLM, open AI, gradio, FastAPI, AI-based DB SQL, Data science, Meta-verse & AR, Hugging-Face, GANs, and talking avatar. CNN & UI Chatbots based on AI.

#### **Arer Corporation** (Tech Lead)

##### Artificial Intelligence & Computer Vision

Jan 2023- Aug 2023

Remote, PK

Lead project of the Facial shape Recognition recommendation system. Develop the architecture, Augmented reality based (AR) shopping industry. Target the glasses eye lenses and jewellery. CNN, computer vision, model training, python, web apps, unity assets & ResNet.

#### **Kavtech Solutions** (Associate Software Engineer) R & D

June 2022-Jan 2023

Lahore, PK

Leading AI & Data Science company initiated a project development of Unmanned Aircraft systems for surveillance. Successfully delivered the Embedded system, the mechanical design of UAV, Object detection, Computer vision, Open-CV, and YOLO v5.

### VOLUNTEER ENGAGEMENTS AND SOCIAL LEADS

GIKI, PK

- **Team Foxtrot (Automation Lead)** - UAV on AI-based Design for UAS IMechE challenge, UK. Secured 5<sup>th</sup> position in 2021 along with Media & Proposal awards, Secured Highest Place new Entrance Award. Pixhawk, Python, image processing, best Mechanical Design. AI system installed Flight Controller & Jetson Nano.
- **IMechE GIKI Chapter (Treasurer)** – Organized WRE 2020' and 2021' an international workshop on Reverse Engineering. Designed Modules, Organized the first NMDC at GIKI, lead the technical modules, proceed judgmental criteria.
- **AIAA GIKI Chapter (Technical Lead)** - Plan and conduct experimental modals prototypes of aircraft or aerospace systems. Organize the Whole Event of DBFC and AirEx with Innovative Module Designs from space science to aircraft designs.
- **Prepare How (Content writer)**- My task is to ready the content for the students and make education free for students.

### CERTIFICATIONS [\(CREDENTIALS LINK HERE\)](#)

- Data Science (Professional Certified) *IBM professional Data Science Certification*
- GANs, Deep & Machine Learning Specialization *Stanford University, Online*
- Introduction to Data Analytics for Business *University of Colorado Boulder*
- Crash course on Python *Google*
- IBM AI Engineering Professional (Deep Learning with TensorFlow & Keras) *IBM AI Engineering*

### ADDITIONAL [\(Badges\)](#)

**Technical Skills:** Advanced in SQL, PHP, Javascript, HTML/CSS; Proficient in MATLAB, Python, Tableau, RStudio, CNN, RNN, Deep Learning, Neural Networking, keras, Tensorflow, PyTorch, SolidWorks, Designs of Aircraft & Drones, Content Writing, ANSYS, Xilinx, Computer Architecture, Verilog, Lab View, Multisims, Proteus, C++, Arduino, Raspberry Pi4 ,Automation with GPS and Data Science with AI Engineering.

**Languages:** Fluent in Urdu, English; Conversational Proficiency in Spanish, Punjabi, Arabic

**Certifications & Training:** IBM Professional Data Science & AI Engineering Certification, Deep / Machine learning Specialization

**Interests:** Skateboarding, Book reading, Tennis, music, RC airplanes, Drones, satellites, cosmology, and Anime

**Awards:** Cube SAT, SOFE local winner (IMechE GIKI Chapter) - Best airplane Design Award in DBFC'14 - Globally 5<sup>th</sup> position, Best Media & Business Proposal award in IMechE UAS challenge, UK -. Publication of Article on Cube SAT in Aurora GIKI Science journals.