

# Muhammad Arish Khan

Email: [muhammadarishkhan555@gmail.com](mailto:muhammadarishkhan555@gmail.com)

LinkedIn: [muhammad-arish-248471283](https://www.linkedin.com/in/muhammad-arish-248471283)

Mobile: +92-3554657687

GitHub: [github.com/Arish7777](https://github.com/Arish7777)

Portfolio: [marishkhan.vercel.app](https://marishkhan.vercel.app)

## EDUCATION

---

- **FAST National University Of Computer And Emerging Sciences** Karachi, Pakistan  
*Bachelor of Science - Artificial Intelligence; GPA: 3.04/4.0* Aug 2022 - Aug 2026  
*Courses:* Artificial Intelligence, Machine Learning, Deep Learning, Recommendation Systems, Neural Networks, Networking, Data Structures, Data Analysis Of Algorithms, Databases, Object Oriented Programming Language, Operating Systems, Web Programming(Started)
- **Govt. Degree College, Malir Cantt** Karachi, Pakistan  
*Higher Secondary School Certificate (Intermediate) — Grade: A+ - 86* Sep 2020 - Sep 2022
- **Army Public School Malir Cantt** Karachi, Pakistan  
*Matriculation School Certificate — Grade: A+ - 91* Sep 2007 - Sep 2020

## SKILLS SUMMARY

---

- **Languages:** Python, C++, JavaScript, HTML, CSS
- **Frameworks:** Scikit-Learn, NLTK, SpaCy, TensorFlow, PyTorch, OpenCV, NumPy, PIL, React
- **Tools:** GIT, MySQL, SQLite, Oracle
- **Platforms:** Linux, Web, Windows
- **Soft Skills:** Leadership, Event Management, Writing, Time Management

## EXPERIENCE

---

- **ZAYSCO BUSINESS WORKS** Karachi, Pakistan  
*AI Developer* 1st Dec 2024 - 31st Jan 2025
  - **Responsibilities:** Developing and optimizing machine learning models for real-world applications. Implementing and fine-tuning deep learning architectures. Conducting data preprocessing, feature engineering, and model evaluation.  
[Click to view LetterHead](#)

## PROJECTS

---

- **VAND 3.0 Challenge (CVPR 2025) — MVTEC AD 2 Dataset” - Prompt-Based Anomaly Detection for Industrial Inspection— Python, Jupyter,PyTorch, OpenCV, NumPy, PIL,Vision Transformers (ViT), CLIP:** Developed an unsupervised anomaly detection system leveraging CLIP’s vision-language model to identify and localize defects in industrial images. The model, trained solely on normal data, achieved 85.4 percent image-AUC and demonstrated robustness to real-world distribution shifts like lighting variations for the VAND 3.0 Challenge.  
[Click to see GitHub Repository](#)
- **Multi-Layer Neural Network — Python, Streamlit:** Implemented a multi-layer neural network from scratch to explore its workflow, methodology, and optimization challenges.  
[Click to see GitHub Repository](#)
- **Secure Chat App— Python,SocketIO,Flask,HTML:** A secure real-time chat application built with Flask and Flask-SocketIO, featuring end-to-end RSA encryption, secure file sharing, voice notes, and user authentication. It includes WebSocket-based messaging, typing indicators, and mobile-responsive design, ensuring both usability and strong security.  
[Click to see GitHub Repository](#)

- **Book Recommendation System using AI Algorithms — Python:** Built a recommendation system using collaborative and content-based filtering techniques.  
[Click to see GitHub Repository](#)
- **Online Inventory Management System — Python, Jupyter, SQLite:** Developed an IMS that manages inventory, sales, and predictions using Random Forest Regressor.  
[Click to see GitHub Repository](#)
- **CSP Flight Scheduling System — AI, CSP:** Developed a flight scheduler using CSP techniques to reduce delays.  
[Click to see GitHub Repository](#)
- **Multiprocessing vs Multithreading — Python:** Compared multiprocessing and multithreading using sorting and searching algorithms.  
[Click to see GitHub Repository](#)
- **My Portfolio Website — HTML, CSS, JavaScript, React:** Created a portfolio showcasing projects and skills using a dynamic React interface.  
[Click to see GitHub Repository](#)  
[Website Link](#)
- **BookHeaven — HTML,CSS,JavaScript,React:** BookHaven, a sanctuary for book lovers and knowledge seekers. Whether you're an avid reader, a researcher, or just someone who enjoys the ambiance of a cozy reading space, BookHaven offers a vast collection of books across multiple genres.  
[Click to see GitHub Repository](#)  
[Website Link](#)

## HONORS AND AWARDS

---

- Certificate of Accomplishment (SQL) - HackerRank (2024)  
[Click to view Certificate](#)
- Certification of Internship - ZAYSCO BUSINESS WORKS (2024-2025)  
[Click to view Certificate](#)
- Deploy Azure AI services - Microsoft Learn (2024)  
[Click to view Certificate](#)

## VOLUNTEER EXPERIENCE

---

- **Participated in Flagship events: PROCOM and DEVDAY at FAST NUCES KARACHI (2023 and 2024):** Contributed to organizing major events, gaining exposure to the tech industry and networking opportunities.
- **Interviewed leading Software Houses including TPS, HBL, IBEX, Avanza, and SYSTEMS:** Engaged with top companies, gaining valuable industry insights and expanding my professional network.
- **Works as Team Leader For Coding Competition.:** Organized and Managed Hackathons for passionate Computer Science enthusiasts.