

# ABDUL SAMAD AFRIDI

## SOFTWARE & AI ENGINEER

Hayatabad Peshawar, Khyber Pakhtunkhwa, Pakistan

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Portfolio: isamadafridi.vercel.app

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### PROFESSIONAL SUMMARY

Software Engineer with practical experience in Machine Learning, Deep Learning, Computer Vision, AI automation, and Android application development. Proficient in Python, data analysis, and exploratory data analysis (EDA), with a strong track record of building real-world projects that address practical challenges.

Demonstrates solid problem-solving abilities with a focus on turning ideas into functional solutions. Brings a balanced approach of technical skills and human-centered thinking, aiming to create solutions that are both effective and meaningful for users.

Seeking opportunities to contribute to impactful projects, collaborate with innovative teams, and continue developing through hands-on experience and real-world challenges.

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### PROJECT

- **Netflix Exploratory Data Analysis**

<https://github.com/isamadafridi/NetflixDataEDA>

- **Car Price Predetection**

[https://github.com/isamadafridi/car\\_price\\_predetection](https://github.com/isamadafridi/car_price_predetection)

- **Pneumonia Detection using Chest X-Ray**

<https://github.com/isamadafridi/Pneumonia-Detection-using-Chest-X-Ray>

- **Horizon- Natural Disaster Android App**

*Live Demo on smart phone*

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### TECHNICAL SKILLS

- **Machine Learning**
- **Deep Learning**
- **Computer Vision**
- **AI Automation(n8n)**
- **Programming Languages:**
  - Python, Android App development, XML, JSON
- **Python Libraries & Frameworks:**
  - Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow
- **Development Tools:**
  - Git & GitHub, Jupyter Notebook, Google Colab, Kaggle, Android Studio, VS Code

## CERTIFICATION

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### Diploma Of Information Technology (DIT)

2022-2023

Khyber Pakhtunkhwa Board of Technology & Commerce

### Artificial Intelligence(Machine Learning & Deep Learning)

NAVTTIC x Strings Technologies

### 100 Days Machine Learning

### 100 Days Deep Learning

CampusX(Youtube)

### Computer Vision

FreeCodeCamp & CampusX(Youtube)

### AI Automation

Dr.Zafar Iqbal (Youtube)

### Git & Github workshop

Arfa Karim Technology Incubator(ImSciences)

## EDUCATION

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### Institute of Management Sciences[IMSciences] Peshawar

2022- 2026(8th Semester)

Bachelor of Science in Software Engineering

### Islamia College Peshawar

2019-2021

Intermediate in Pre-Engineering

### Afridi Model School and College (Bara Campus)

2016-2019

Matriculation in Science

## VOLUNTEER EXPERIENCE

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- **Regional Vice President**

- **Network for Human Rights and Justice (NHRJ)**

- **Nov 2025 – Present**

- Spearhead regional operations and strategic initiatives for human rights advocacy
    - Manage cross-functional teams to deliver impactful social justice programs
    - Facilitate workshops on legal literacy and human rights education
    - Built partnerships with local organizations to amplify community impact

- **Member**

- **Green Youth Movement (GYM)**

- **Feb 2025 – Present**

- Contributed to environmental awareness campaigns focused on sustainability and climate action
    - Collaborated with team members to plan and execute community-based initiatives and events
    - Participated in workshops and training sessions on environmental protection and advocacy
    - Supported partnerships with local organizations to promote eco-friendly practices and community engagement

## LANGUAGES

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- ENGLISH
- URDU
- PASHTO