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# Samiulhaq Chardiwall

Machine Learning and Deep Learning Engineer  
Jalalabad, AFG +93 78 2929 156

## EDUCATION

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**International Islamic University, Islamabad, Pakistan**

Sep 2018 - Aug 2022

Bachelor of Science in Computer Science (**CGPA: 3.26/4.00**)

**Courses:** Programming Fundamentals, Object-Oriented Programming, Data Structure & Algorithm, Design and Analysis of Algorithms, Software Engineering, Object Oriented Analysis & Design, Operating Systems, Databases management system, Android Development, Web Development, Linear Algebra, Probability & Statistics, Artificial Intelligence.

## TECHNICAL SKILLS

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- **Programming Languages:** Python, C++, JavaScript.
- **ML/DL Algorithms:** Linear Regression, Polynomial Regression, Support Vector Regression, Lasso Regression, Logistic Regression, KNN, PCA, K-Means, SVM, MSVM, CNN, ANN, RNN, LSTM, RCNN, and more...
- **ML/DL Frameworks/Libraries:** Scikit-Learn, Keras, TensorFlow, Numpy, Pandas, Matplotlib, Seaborn, Plotly, OpenCV.
- **Python other Frameworks:** Flask, FastAPI, Streamlit.
- **Databases:** MySQL, No Sql, MangoDB.
- **Tools:** Git, GitHub, Markdown, FireBase, Jupyter Notebook, Google Colaboratory, Anaconda, Visual Studio Code, Pep8, Docker, Heroku, and more...
- **Operating Systems:** MacOS, Linux(Ubuntu), Windows.

## EXPERIENCE

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**Assistant Researcher,**

- Fairness in Federated Learning. (Current)
- Implementation of FedAvg algorithm.
- Implementation of Covid-19 Classification using CNN.

## PROJECTS

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**Skin Cancer Classification**

- classification of skin cancer of all 8 types using convolutional neural network.

**Covid-19 Detection**

- Covid-19 detection using convolutional neural network.

**HAALO**

- Website for Hemat Afghan Agricultural & Livestock Organization developed using:
  - HTML, CSS, bootstrap, flask, Firebase (<http://haalo-af.herokuapp.com/>).

## **CERTIFICATIONS AND VOLUNTEER WORK**

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- **Certificates:**

- Web Design for Everybody: Basics of web development and coding specialization.
- Python for Everybody Specialization.
- IBM Machine Learning specialization.
- An Introduction to Programming the Internet of Things (IOT) Specialization.
- Deep Learning Specialization.