





# Bakhtawar Bint Amjad

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@bakhtawaramjad224 

*"My strongest strengths are having a passion for technology, software and computer engineering, also an ability to understand and prioritize my work in a changing technological environment thereby helping me to produce results according to the state of art"*

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## Experience

FEBURARY 2021 – PRESENT

[Machine Learning Research Intern / UET, Lahore Al-Khawarizmi Institute of Computer Science \(KICS\)](#)

Use Natural Language Processing on Twitter Users' data to estimate user location.

AUGUST 2020 – PRESENT

[Teaching Fellow / UET Lahore](#)

JUNE 2018 – JANUARY 2020

[Research Assistant & Design Engineer / CARE, Center of Advanced Research and Engineering, Islamabad](#)

Worked as Design Engineer for CARE SDR (Software Defined Radio) Project for Pakistan Army.

FALL 2014 – SUMMER 2016

[Software Engineer / NETSOL, Software Development Department, Lahore](#)

Implemented various sections of Desktop Application (CMS) of NETSOL's main product for leasing and finance ASCENT in C# .net.

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## Certifications

[DeepLearning.AI TensorFlow Developer Professional Certificate \(DeepLearning.ai\) / Coursera](#)

Laurence Moroney & Andrew Ng – December 2020 – January 2021

[Specialization in Deep Learning \(DeepLearning.ai\) / Coursera](#)

Andrew Ng – May 2020 – December 2020

[Machine Learning Course Stanford / Coursera](#)

Andrew Ng – April 2020 – May 2020

## Projects

- Estimation of Users' Location from their Tweets – NLP
  - SDR (Software Defined Radio) Project (CARE) – using Code Composer Studio(TI DSP Processors)
  - Optimal Frequency Allocation and Slot Assignment Hybrid Protocol for MAC Layer for using Simultaneous Narrowband Waveform in Wideband Multiple Access
  - Simultaneous Narrowband Waveform Performance Analysis for Wideband Multiple Access
  - ASCENT NETSOL
  - Documenting Scratch and adding wireless capabilities to Scratch.
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## Skills

- Python (Tensorflow, Pytorch, Keras, Django)
  - Scheme(dialect of LISP)
  - Scratch, BYOB, SNAP
  - C++, C#
  - Xilinx
  - Latex
  - MATLAB
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## Education

**MS Computer Engineering/College of EME (NUST), Islamabad**

*CGPA: 3.9*

*2012 – JULY 2018*

Explain Thesis in two lines

**Bachelor Computer Engineering/UET Lahore**

*CGPA: 3.667*

*2010 - 2014*

FYP in two lines

**FSC Pre-Engineering/ Kinnaird College for Women, Jail Road, Lahore**

*Grade A+*

*2008 - 2010*

**Matriculation Moon Public School, Ravi Road, Lahore**

*Grade A+*

*2006 - 2008*

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## Achievements & Awards

- Recipient of President's Gold Medal (Masters in Computer Engineering) - 2018

- Recipient of NUST ICT Endowment Fund (Merit Scholarship) - *2015-2017*
- Included in Dean's Roll of Honor for 5 out of 8 Semesters (Bachelors in Computer Engineering)

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## **Interest & Activities**

Language Learning (Korean & Chinese), Traveling, Driving and Enjoying Food