

# Muhammad Usama Navid

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Data-driven and detail-oriented engineering graduate with a proven academic record and having a robust understanding and experience of data science, machine learning and deep learning.

## EDUCATION

### UNIVERSITY OF ENGINEERING AND TECHNOLOGY LAHORE

BSc MECHANICAL ENGINEERING  
Oct 2017-Jul 2021 | Lahore, PK.  
Dean's List (Spring 2018)  
CGPA: 3.4/4.0

### PUNJAB GROUP OF COLLEGES

FSc PRE-ENGINEERING  
Apr 2015 - May 2017 | Multan, PK.  
Percentage: 89%

## SKILLS

Data Science  
Machine Learning  
Deep Learning  
Supply Chain Management Digital  
Manufacturing (CAD & CAE)  
Project Management

## TOOLS

Python • SQL • NumPy • Pandas  
Matplotlib • Scikit Learn • Keras  
TensorFlow 2.0 • PyTorch • HTML  
MATLAB / Octaves •  $\text{\LaTeX}$  • MS Office  
• Minitab • SolidWorks • Fusion 360  
AutoCAD • Abaqus

## SOFT SKILLS

- Positive Attitude
- Self-Motivation
- Storytelling
- Creativity
- Collaboration
- Digital Mindset
- Agility

## LINKS

GitHub://concaption  
LinkedIn://concaption  
Twitter://concaption  
Website: UsamaNavid.com

## PROJECTS

### EDA OF THE MOVIE DATABASE DATASET | TO INVESTIGATE RESEARCH QUESTIONS. 🗝️

- Explored the dataset to find answers to the business questions.
- Used NumPy, Pandas, Seaborn and Matplotlib to find results.

### PREDICTING THE QUALITY OF POTATO CHIPS | USING VGG-19

- After literature review of different techniques gathered a dataset of potato chips images.
- Trained a VGG-19 model after transfer learning to achieve 100% efficiency in detecting potato chips quality using camera images.
- Used Jetson Nano for Edge deployment.

### GENERATIVE ADVERSARIAL NETWORK | FOR GENERATING FAKE NUMBERS

- Applied state of the art GAN techniques for generating fake numbers using MNIST Dataset.
- Built Deep Learning adversarial architectures in TensorFlow and PyTorch.

## CO-CURRICULAR

Team Lead AI @ Google Developer Student Club UET	🗝️	2020-2021
Microsoft Learn Student Ambassador UET Lahore	🗝️	2020-2021
Autodesk Student Ambassador	🗝️	2019-2021
Member UET Science Society	🗝️	2018-2021

## HONORS & AWARDS

### SUSE CLOUD NATIVE FOUNDATIONS SCHOLARSHIP

CNF Challenge Course	Udacity	2021
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### BERTELSMANN TECHNOLOGY SCHOLARSHIP

Data Analyst Nanodegree	Udacity	2020
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### ACHIEVER'S SCHOLARSHIP

Top 25 in ECAT STEPSIANS	STEP by PGC	2017
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## LINE COURSES 🗝️

Data Science Specialization	IBM
Supervised Learning with Scikit-Learn	DataCamp
Deep Learning Specialization	Deeplearning.ai
Custom Models and Layers with TensorFlow	Deeplearning.ai
Introduction to IOT	UC Irvine
Supply Chain Management Specialization	Rutgers the State University
Digital Manufacturing and Design	University at Buffalo
Intro to Digital Manufacturing	Autodesk