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EDUCATION

National University of Computer & Emerging Sciences (FAST)
Bachelor's in Computer Science

August 2020 – May 2024

PROJECTS

AWS — Three Tier Application Development and Deployment



- Three-tier web application on AWS that involves setting up different layers for the application. This include Presentation-Layer, Application-Layer and Data-Layer for reliability.
- Tools Used: Amazon Relational Database Service (RDS), PHP, APACHE, SQL, HTML5, CSS, LINUX

MNIST Dataset — Handwritten Digit Classification using ANN



- Artificial Neural Network classifier for one of the famous dataset known as MNIST. The system classify any digit in the range of 0 to 9 written in a person's handwriting.
- Tools Used: PYTHON, NUMPY, PANDAS, MATPLOTLIB, KERAS, TENSORFLOW

Customer Churn — Prediction using ANN in Keras and Tensorflow



- Artificial Neural Network predictor for predicting the buying or leaving probability of a customer based on the previous records available in the dataset in the form of percentage using Sigmoid Function.
- Tools Used: PYTHON, NUMPY, PANDAS, MATPLOTLIB, KERAS, TENSORFLOW

GRADUATE Admission — Prediction using ANN



- This Project solved the Regression problem using an Artificial Neural Network. The dataset i've used contains the information about the students, their GRE score, TOEFL score, CGPA e.t.c.
- Tools Used: PYTHON, NUMPY, PANDAS, MATPLOTLIB, KERAS, TENSORFLOW

Transfer Learning — Feature Extraction without Data Augmentation



- Developed a CAT-DOG classifier using Convolution Neural Network (CNN) alongside the technique of Transfer Learning. The Fully-Connected portion is retrained on our dataset and thus classify the images.
- Tools Used: PYTHON, KERAS, TENSORFLOW

Transfer Learning — Feature Extraction with Data Augmentation



- Convolution Neural Network (CNN) based classifier trained well by using the technique of Data-Augmentation resolving the issue of Overfitting and thus achieving greater accuracy.
- Tools Used: PYTHON, KERAS, TENSORFLOW

UNIMAGE — Department Managment System



- A full-fledged system for managing Education Institutions. From Administration-Access for Teachers to Student Portals , this system is fully versatile to handle all sorts of tasks.
- Tools Used: C++

CERTIFICATIONS

Associate INTERNSHIP — at Pakistan Aeronautical Complex Kamra



Machine Learning INTERNSHIP — at Industry 4.0 - IIoT Boot Camp



Python INTERNSHIP — at CODSOFT



Web Development INTERNSHIP — at CODSOFT



Intro to IIoT COURSE — at Automation Play

