

EDUCATION

Bachelors In Computer Science

National University Of Computer And Emerging Sciences (FAST-NUCES), Karachi.

08/2016 – Present

Major Courses

- Computer Programming
- Software Engineering
- Data Structures & Algorithms
- Design Defects and and Restructuring
- Database Systems
- Artificial Intelligence
- Data Science
- Data Warehousing

Intermediate (Pre-Engineering)

PECHS Education Foundation Science College.

08/2014 – 07/2016

PERSONAL PROJECTS

Classification of Multimodal Natural Disaster Tweets and Images (09/2019 – Present)

- University final year project.
- The main focus of this research based project is :
 - 1) Classify the tweets and their respective images of a disaster (earthquake) on their relevance.
 - 2) Categorize the relevant data for humanitarian aid.
 - 3) Categorize the infrastructure damage severity.
- Technology: Python - (OpenCV, NLTK, Keras).

TESTBOARD- An online exam conducting platform (10/2019 – 11/2019)

- Information Processing Technique Project. A Service Oriented Architecture, engineered to automate the exam conduction process in a college/university.
- Technology: .NET- Web (MVC) , and Windows Application along with entity framework, WCF (as a Web Service), Windows Service, MSSQL.

Diabetic Retinopathy Detection using Convolutional Neural Network (CNN) (03/2019 – 05/2019)

- Artificial Intelligence Project.
- A solution to classify the retinal image of eyes using CNN to estimate whether a person suffers from diabetes or not.
- Technology: Python - (OpenCV, Keras).

Analysis Of Pakistan VS India Cricket Matches (02/2019 – 03/2019)

- Data Science Project where I worked on the insights of data, and classified whether Pakistan will win a particular match against India or not.
- Scraped the data from 'http://www.espnccricinfo.com', cleaned, visualized the data, and developed a machine learning model (RANDOM FOREST).
- Technology: Python - (Beautiful soup, numpy, pandas, sklearn).

WORK EXPERIENCE

Machine Learning Intern

National Center for Artificial Intelligence (NCAI, NED University of Engineering And Technology)

01/2020 – Present

Achievements/Tasks

- Currently working on the development of Deep Network on Tesseract 4.0 (An OCR Engine) to detect urdu text from jpg files for machine translation purpose.
- Technical documentation of tasks is also made along with it.

SKILLS

Web Development: HTML, CSS, Javascript, AngularJS, Bootstrap, PHP, MYSQL.

.NET- Web Application (MVC), Window Forms, Web Services (ASMX, WCF), Windows Service, Microsoft SQL Server, Entity Framework, LINQ.

Data Science: Exploratory Data Analysis/ Visualization (matplotlib, seaborn, D3.js), Machine Learning (Python- Numpy, Pandas, Sklearn, Keras)

Web Scraping

SQL/PLSQL

C/C++

MsOffice

Teamwork

Leadership Skills

Communication Skills

Time Management

ACHIEVEMENTS

Chess Winner (12/2013)

Larkana Association Of Sports (2013).

International Kangaroo Mathematical Contest (05/2010)

Secured 2nd position in the division (Benjamin Level)

International Kangaroo Mathematical Contest (04/2009)

Secured 9th position in the division (Benjamin Level)

EXTRA-CURRICULAR ACTIVITIES

The Webmasters (FAST-NUCES) (12/2018 – 04/2019)

Back-End Web Developer (Deputy Head).

CERTIFICATES

Cluster Analysis in Python- Datacamp (02/2020)

Statistical Thinking in Python- Datacamp (01/2020)

Deep Learning Specialization- Coursera (12/2019 – Present)

An online deeplearning.ai specialization course, by Andrew Ng.

Diploma in Advanced Web Development- SDC (02/2018 – 08/2018)

HTML, CSS, Javascript, Bootstrap, PHP and MYSQL. Issued by Skill Development Council (SDC).

INTERESTS

Quora

Chess

Badminton

Yoga