

EDUCATION

MS (Artificial Intelligence)

FAST - National University of Computer and Emerging Sciences, Islamabad.

08/2021 - 06/2023

Courses

- Advance Machine Learning
- Digital Image Processing
- Deep Learning
- Big Data Analytics
- Game Theory & its Applications
- Mathematical Foundation of AI

Bachelors of Science in Computer Science(BSCS)

FAST - National University of Computer and Emerging Sciences, Islamabad.

Courses

- Data mining & Deep Learning
- Natural language processing
- Data warehouse
- Databases
- Advance Programming
- Android Application Development

WORK EXPERIENCE

Lecturer in Artificial Intelligence Department

National University of Computer and Emerging Sciences

08/2021 - Present

Python Developer

DVIZ

03/2021 - 02/2022

Achievements/Tasks

- Worked on data automation. Create automated marketing flows and different modules for customers. worked on different languages and tools like Python, Django, AWS, web scraping, social media like Instagram, LinkedIn, etc.

Data scientist

Techlets Pvt. Ltd.

04/2020 - 02/2021

Achievements/Tasks

- Web Scraping using BeautifulSoup, Selenium with MongoDB. AWS face and text Rekognition. Used Google analytics. Done different tasks related to NER, Json, etc. Do SEO for different websites.

Intern as Security Analyst at Jazz Cash (Revenue Assurance)

JAZZ Head Quarter Islamabad

07/2019 - 09/2019

LANGUAGES & SKILLS

Python Java Whisper c++ Flask SQL

Time management Spicy Git Excel

PyTorch Docker GANs Django pyCharm

postman Web Scraping Feature Engineering

Scikit-learn Model Evaluation & Tuning OpenCV

OpenCV Wav2Vec Visual Studio Leadership

Matplotlib AWS Rekognition VAEs pandas

Text to Speech LSTMs Hugging Face Transformers

TensorFlow

PERSONAL PROJECTS

Prosodic Alignment for Automatic dubbing

- This research aims to achieve audiovisual coherence in automatic dubbing by considering suprasegmental features for prosodic alignment, so that model can generate dubbed videos of better quality.

Summary Generation Using locality-sensitive hashing (LSH)

- Generate a human understandable Summary using LSH. It contains various unique and ordered sentences of the input dataset.

LinkedIn network builder [Python, Selenium, Django]

- This automation helps build your LinkedIn network today faster than ever before. This is a multi-automation process that helps you connect and message with your network and create a digital trail in your records.

Instagram [Python, Scrapy, Django]

- A multi-automation process that monitors public profiles and all their media engagements and more.

LINGUA FRANCA, FYP [Python 3.7, Android Studio, Unity]

- Developed an android application that converts English text to American Sign language(ASL) to help the deaf community. It takes audio as input, first convert into English text then into ASL and after that, it generates signs on the avatar for given text.

Mini Metro-ETL Project [MySQL, Data Warehouse, PL/SQL]

- Performed ETL (Extract, Transform, Load) techniques on Metro store data.

Object detection [Python]

- Object detection using YOLO V3 on OID (Open Source Dataset).

Multi-class classification [scikit-learn, Python]

- Done multi-class classification on iris data set. Classify instances into three classes then evaluate the performance of the classifier using Confusion Matrix.

Emocontext [Python, Jupyter Notebook]

- Categorized a conversation in four distinct categories: happy, sad, angry and others.

School Management System [Java, JavaFX]

- Designed a School Management System and implemented its evaluations and attendance module.