UMAIR ANIS

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EDUCATION

Indian Institute of Technology Jodhpur *2017 - Present*
B.Tech in **Computer Science Engineering** *CGPA:**8.67***

Springdale College *2017*
Higher Secondary *Percentage:**96%***

Ben-Hur Public School *2015*
Secondary *CGPA:**10***

SKILLS

Programming Languages	C/C++, Python
Data Science	Pytorch, Numpy, Pandas, Scipy
Android	Android Studio, Firebase, SQL
Utilities	Git, Docker, Linux, SSH
Coursework	Data-Structures Algo, Object-Oriented Programming, Artificial Intelligence Database Systems, Computer Networks, Operating Systems, Computer Vision

EXPERIENCE

Exawizards Inc. April 2020 - August 2020
AI Engineer Intern

· Developed a **Facial Recognition System for Masked Faces** - Corona Tech
· Prepared Masked Facial Dataset by adding Artifical Masks on MS1M and Asian-Celeb datasets
· Increased the accuracy of SOTA FR system (Arcface, Cosface) by **30%** for Masked Faces

· Developed **Real-time chroma keying solution** for edge-devices
· Experimented different **semantic-segmentation** approaches for the task, and improved the fps rate by **50%**

PROJECTS

OCR Correction Bangla Jan 2020 - May 2020

· Prepared Bangla text and image dataset and calculated word-error rate for OCR on Bangla Language
· Improved WER by 5% using training with bi-directional LSTM

Image Dehazing Feb 2020 - May 2020

· Performance comparision between traditional and deep-learning approaches for Image dehazing
· Model built-in Pytorch, AOD architecture was used

Image Caption Matching Jan 2029 - May 2019

· Developed a Deep-learning model for choosing closest matching captions for an image
· Used Word2Vec, TF-IDF, etc. to form word-embeddings and VGG-16 for image features

Hit Me Jan 2018

· Developed user-interactive Android Game to challenge one's visual reflexes and to increase concentration
· Built-in Kotlin on Android Studio with continuous monitoring of progress

POSITIONS HELD

Students' Secretary, Academics and Career Society *August 2019 - Present*
Assistant Head, E-Cell *August 2018 - May 2019*