

UMAIR ANIS

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EDUCATION

Indian Institute of Technology Jodhpur B.Tech in Computer Science Engineering	<i>2017 - Present</i> CGPA:8.67
Springdale College Higher Secondary	<i>2017</i> Percentage:96%
Ben-Hur Public School Secondary	<i>2015</i> CGPA:10

EXPERIENCE

Exawizards Inc. <i>AI Engineer Intern</i>	April 2020 - August 2020
<ul style="list-style-type: none">Developed a Facial Recognition System for Masked Faces - Corona TechPrepared largest Masked Facial Dataset by adding Artificial Masks on MS1M and Asian-Celeb datasetsIncreased the accuracy of SOTA FR system (Arcface, Cosface) by 30% for Masked FacesDeveloped Real-time chroma keying solution for edge-devicesExperimented different semantic-segmentation approaches for the task, and improved the fps rate by 50%	

PROJECTS

Distributed Mobile User Identification	Jan 2020 - May 2020
<ul style="list-style-type: none">Implemented distributed hash tables with Chord protocol for fast-retrieval of queriesExtended the Chord-protocol and decreased time-complexity by 20% for join and find operation	
OCR Correction Bangla	Jan 2020 - May 2020
<ul style="list-style-type: none">Prepared largest Bangla text and image dataset, calculated WER of OCR on Bangla DatasetImproved WER by 3% using Spell-Checker built using seq2seq with custom dataset	
Hit Me	Jan 2018 - Feb 2018
<ul style="list-style-type: none">Developed user-interactive Android Game to challenge one's visual reflexes and to increase concentrationBuilt-in Kotlin on Android Studio with Software Design Principles, followed MVC pattern	
Image Dehazing	Feb 2020 - May 2020
<ul style="list-style-type: none">Performance comparison between traditional and deep-learning approaches for Image dehazingExtended AOD-Net architecture which improved PSNR by 2%	

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

POSITIONS HELD

General Secretary , Students Senate: <i>Overall representative of students' community</i>	<i>Jan 2021 - Present</i>
General Secretary , Students' Gymkhana: <i>Reframed Student Councils Constitution</i>	<i>Sep 2020 - Jan 2021</i>