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B H O P A L

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VIT BHOPAL UNIVERSITY

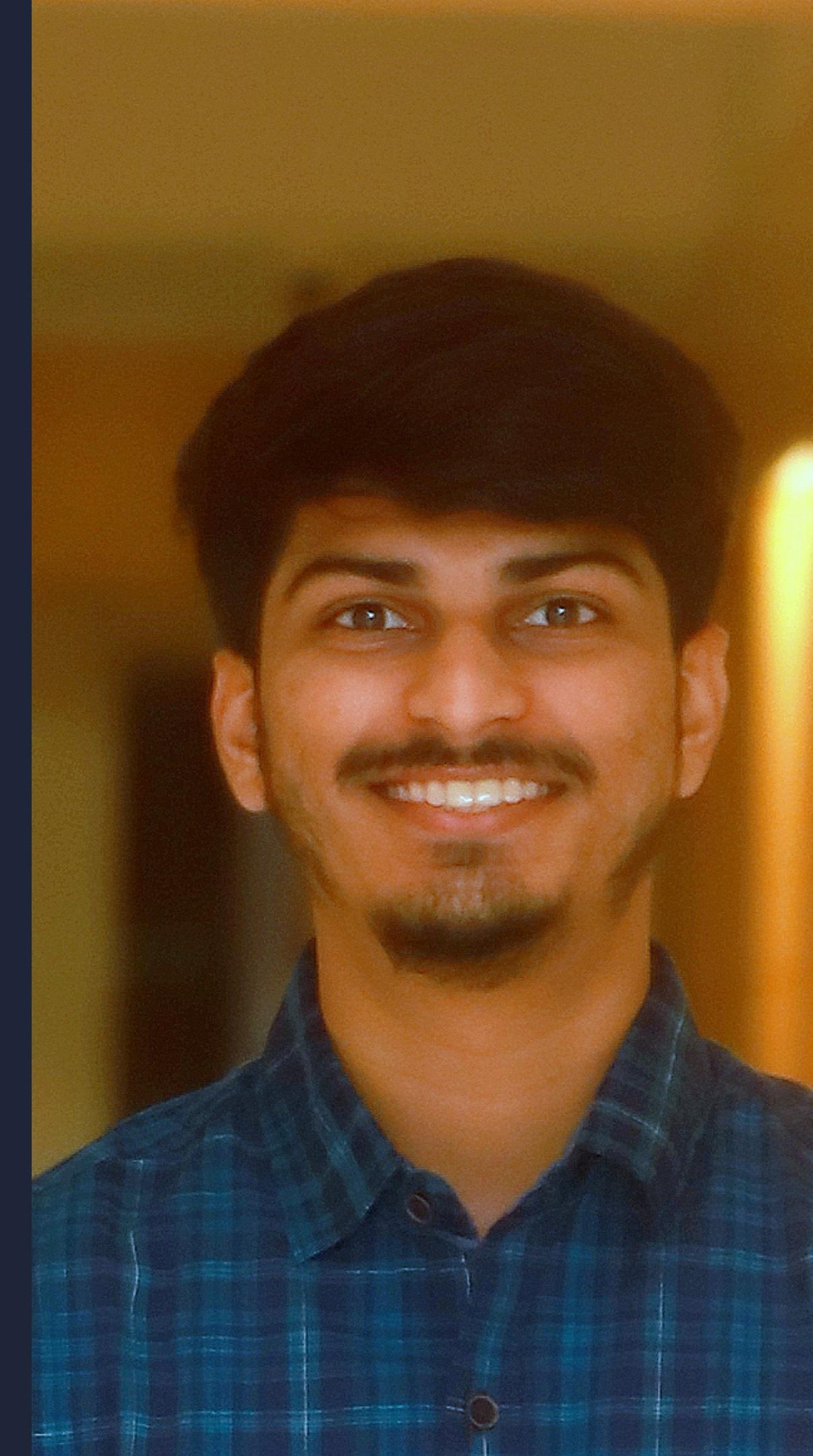
SCHOOL OF COMPUTER SCIENCE
AND ENGINEERING

Digital Portfolio

Ashesh Cholkar

18BCE10065

B. Tech.
Computer Science and
Engineering



About Me

- I am Ashesh Cholkar, currently pursuing my Bachelor's degree in Computer Science and Engineering from [VIT Bhopal University](#) and expected to graduate in May 2022.
- My interests lie in the fields of Front End Web Development, Embedded Systems, 3D Modeling, Neural Networks.
- I have worked as a [Summer Intern](#) in Microsoft AEP Verzeo and got trained in Full Stack Web Development.
- I got placed in [Robert Bosch](#) and my Internship will be commencing from January 2022.



Technical Skills

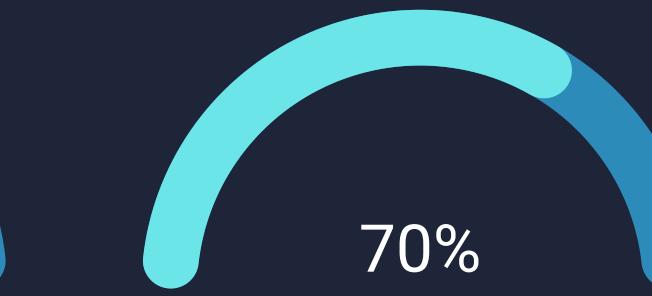
HTML/CSS/JS



JAVA



C++



ADobe Photoshop



Blender



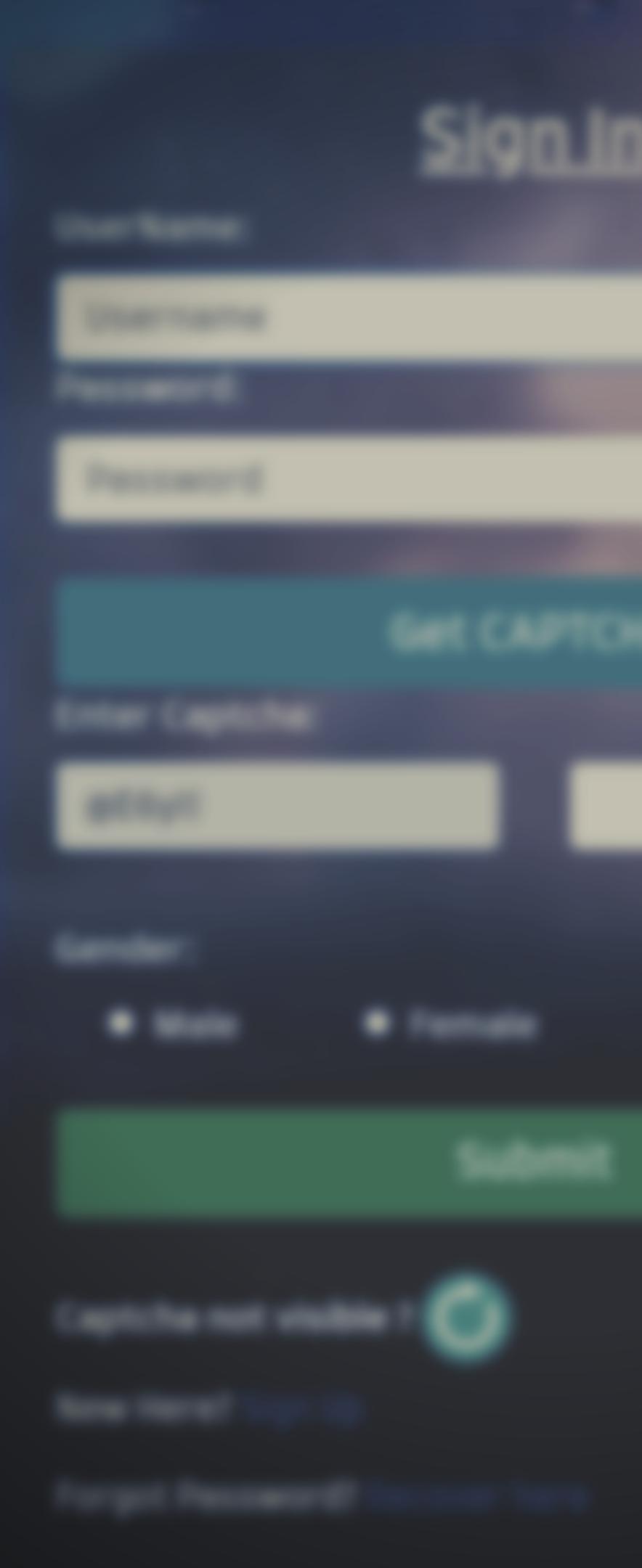


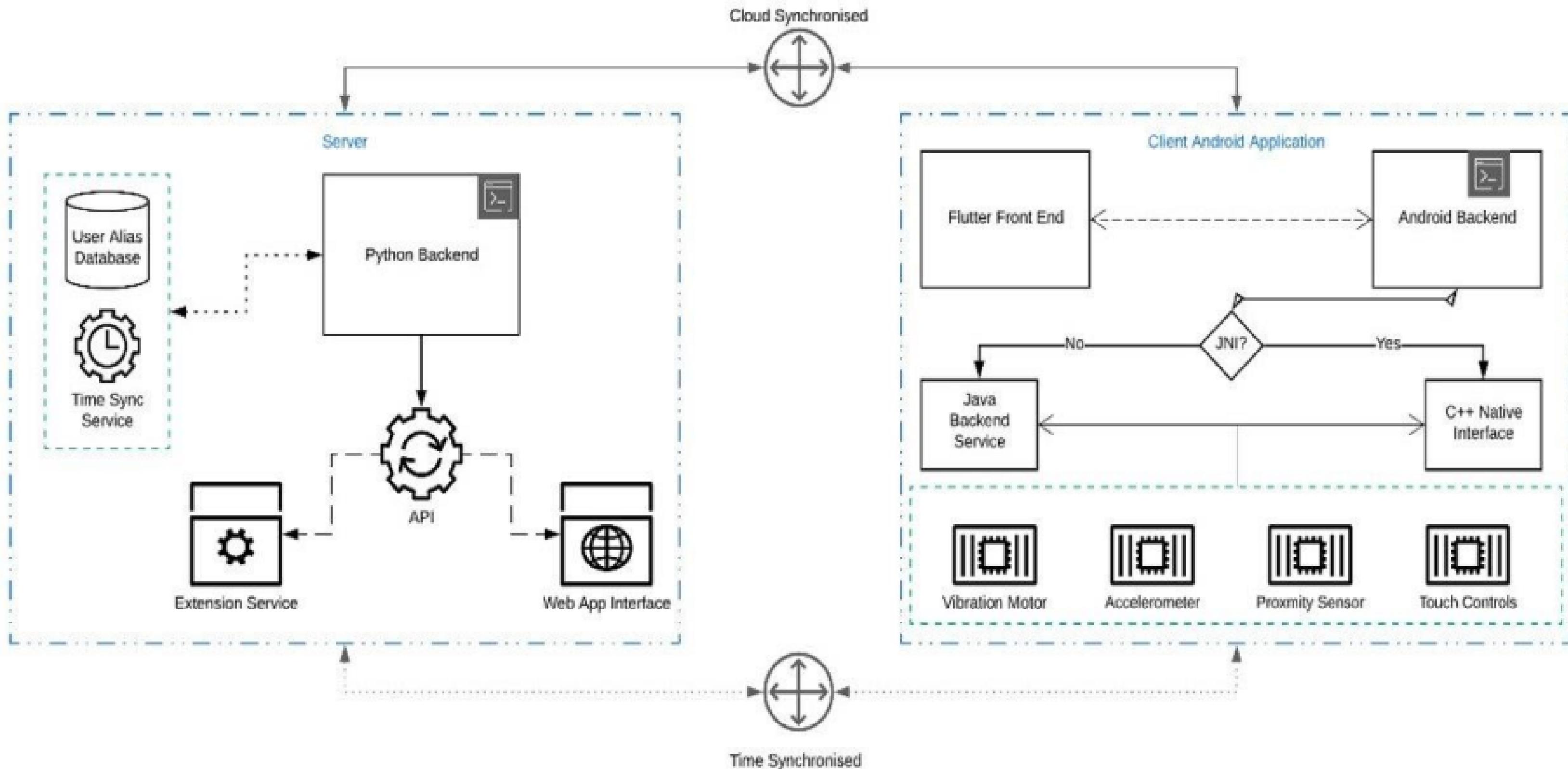
PROJECTS



Lighthouse API

- Lighthouse is an idea that can ease the life of visually impaired people in the modern scenario.
- The primary objective of our project Lighthouse was to design an entirely new mechanism that allows system to differentiate between humans and machines but in such a way that it also provides a feasible solution for the visually impaired community.
- It also deals with all security aspects of CAPTCHA validation and capable of providing a mechanism which is user friendly for the people with visual imparities or people who have low vision power.
- Technologies used were HTML/CSS, JavaScript, Python, MySQL



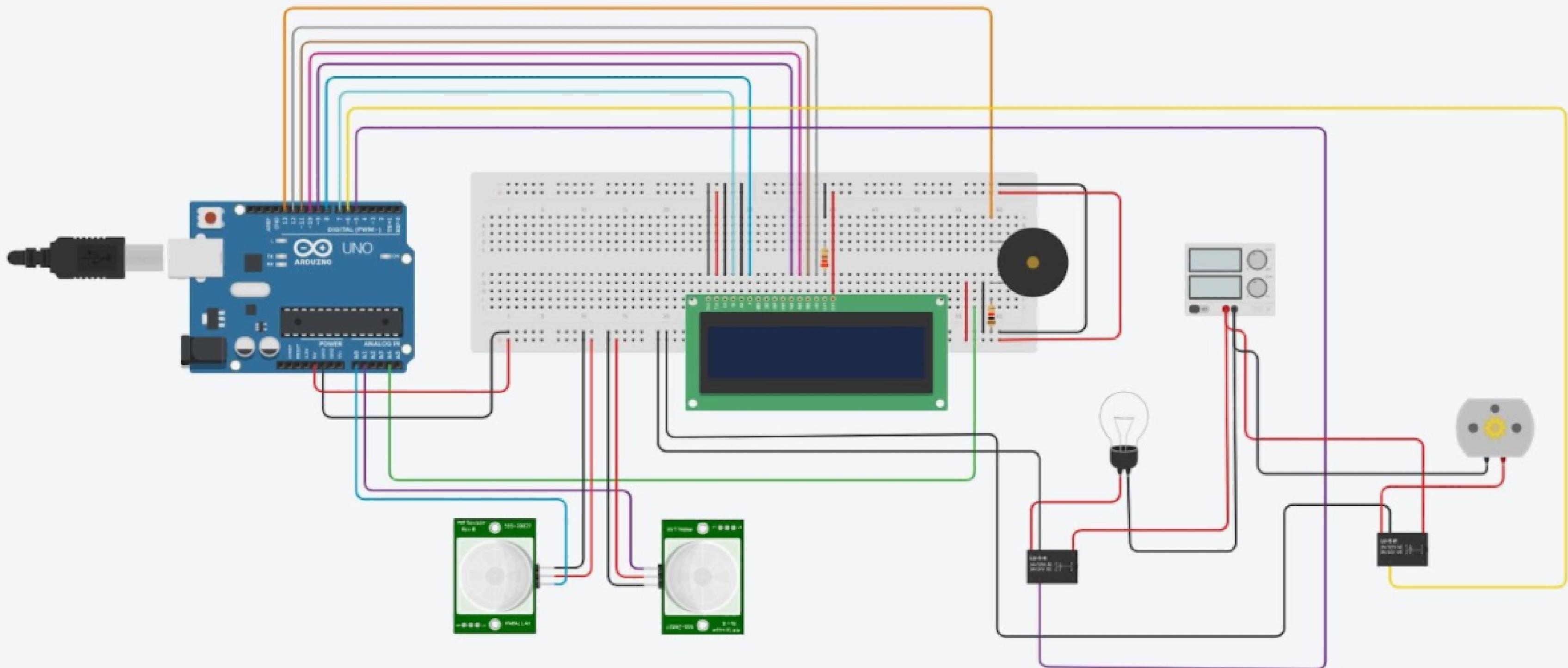


Fashion-MNIST using ConvNet

- Deep learning algorithm- Convolutional Neural Network was applied on Fashion-MNIST dataset for image classification and to predict the labels of images.
- A Convolutional Neural Network (ConvNet/CNN) is a Deep Learning algorithm which can take in an input image, assign importance (learnable weights and biases) to various aspects/objects in the image and be able to differentiate one from the other.
- Labels of images like T-Shirts, Shoes, Jeans, etc. were predicted using CNN keras as to give better search results in e-commerce websites.
- Technologies used were R Programming language, RStudio

Automatic Room Light Controller with Bidirectional Visitor Counter

- A microcontroller based light controller system is designed to help in saving electricity. The system counts the number of visitors entering a room and switches ON or OFF the lights accordingly. The total number of persons inside the room is also displayed on the LCD display.
- An embedded system is nothing but a computer system which is designed to perform many operations. These include accessing the data, process the data, store the data and also control the data in electronics based systems.
- Digital Visitor Counter can be used in various rooms like seminar or conference halls, movie theaters where the capacity of the room is limited and should not be exceeded especially in these times of pandemic.
- Technologies used were: C Programming Language, Arduino UNO





INTERNSHIP

Microsoft AEP Verzeo

Summer Intern at Verzeo (affiliated with IIT Bombay). Got Training in Full Stack Web Development along with a hands-on project on Interior Designing website.





Entrepreneurship Cell,
IIT Kharagpur

verzeo
learn here lead anywhere

Gold
Microsoft Partner


INTERNSHIP CERTIFICATION

This is to certify that

Ashesh Cholkar

has successfully completed an Internship Program Web Development

from 1/5/2020 to 1/7/2020.

During the Internship, the student was found to be

dedicated, hardworking, and diligent.

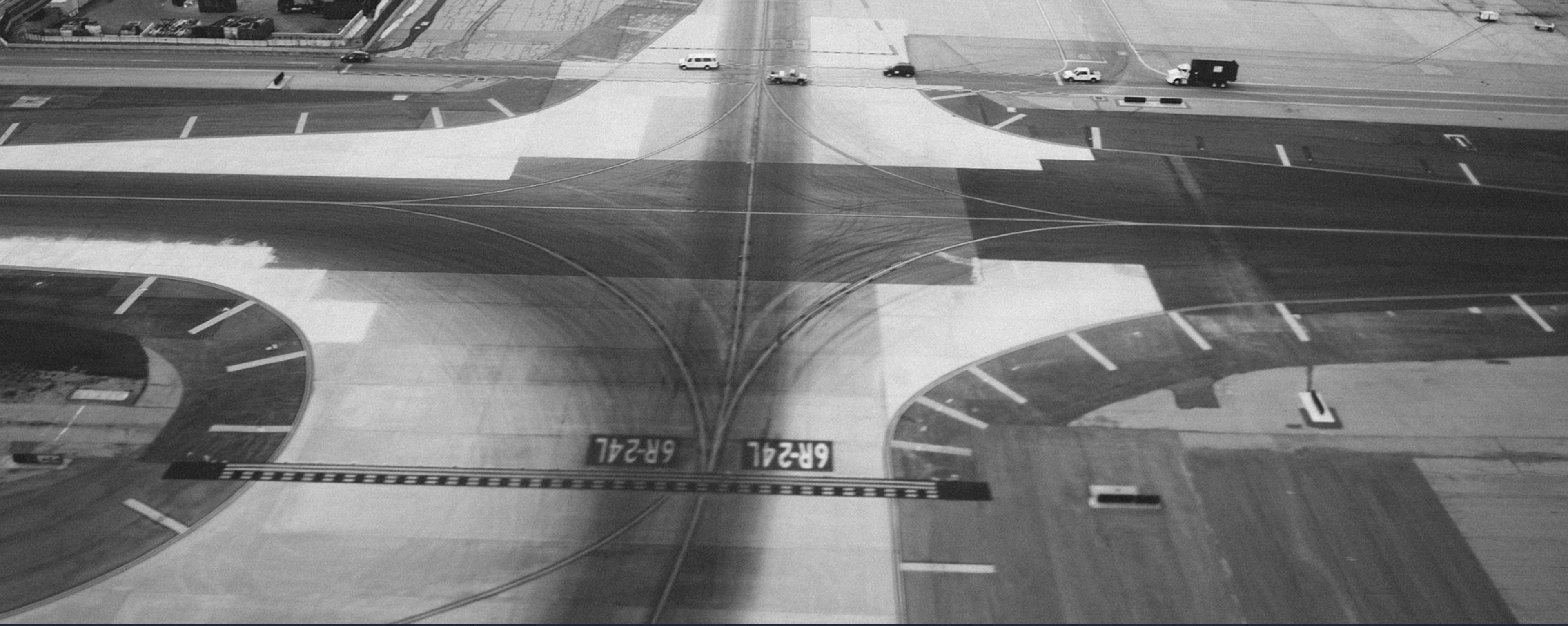
08-09-2020

DATE

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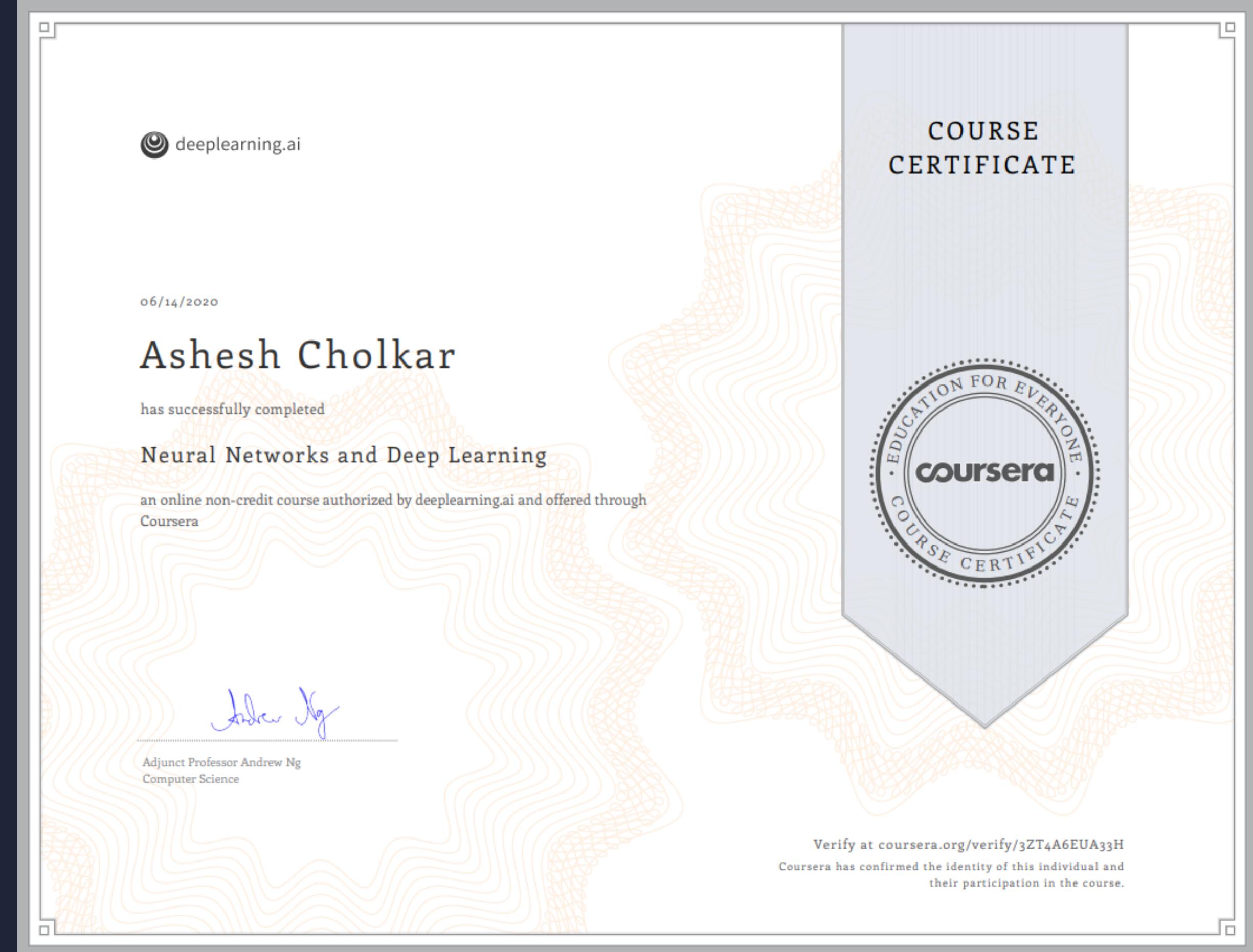


VICE PRESIDENT - HR



CERTIFICATIONS

Neural Networks and Deep Learning



Associate Analytics - NASSCOM



SILVER

CERTIFICATE

This is to certify that

Ashesh Cholkar

has successfully cleared the assessment for the role of

Associate Analytics (SSC/Q2101)

conforming to National Skill Qualifications Framework Level 7



Date of Issuance: 17/06/2021
Valid with reference

A handwritten signature in blue ink that appears to read "Pravin Rao".

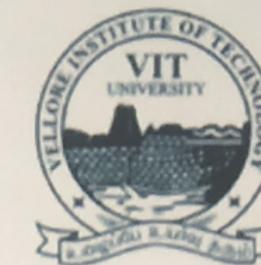
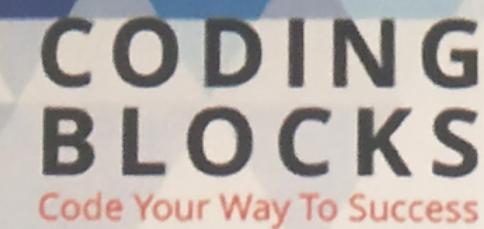
Pravin Rao
(Chairman, IT-ITeS Sector Skills Council
NASSCOM)

Full Stack Web Development





WORKSHOPS



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BHOPAL

CERTIFICATE OF MERIT

THIS IS TO CERTIFY THAT

MR./MS. Ashesh Cholkar

HAS ACTIVELY PARTICIPATED IN NATIONAL LEVEL WORKSHOP ON

COMPETITIVE PROGRAMMING

CONDUCTED BY

CODING BLOCKS

AT

VIT BHOPAL UNIVERSITY, BHOPAL

ON 8TH-9TH AUGUST, 2019

Ms. KADHAMBARI S. VISWANATHAN
ASSISTANT VICE PRESIDENT

DR. P. GUNASEKARAN
VICE CHANCELLOR

DR. MANIKANDAN K.
CONVENOR



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CERTIFICATE OF COMMENDATION

This Certificate is Awarded to

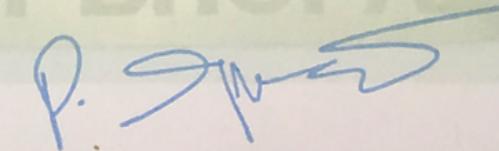
----- ASHESH CHOLKAR -----

For participating in Unity Gaming Workshop

held at VIT BHOPAL UNIVERSITY from

21-23 September 2018


Ms. Kadhambari S Viswanathan
Assistant Vice President


Dr. P Gunasekaran
Vice Chancellor


Dr. Shriram R
Club Coordinator



EXTRA CURRICULARS



Ranbhoomi '19

Annual Sports Fest of IIM Indore



CERTIFICATE OF PARTICIPATION

THIS CERTIFICATE IS AWARDED TO

Ashesh Cholkar

of VIT - Bhopal

for participating in Ranbhoomi '19
in the event(s) of Basketball

held at IIM Indore from January 18-20, 2019.

Alok

Alok
Fest Coordinator

Rohit

Rohit
Fest Coordinator



CARBON
BASICS

paytm

RiteBite

Taglr



makeintern

NIVIA

MONSTER
ENERGY

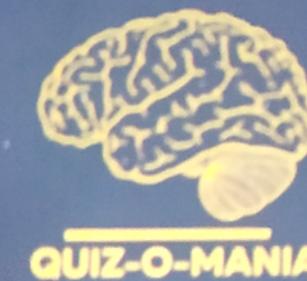
smc
Moneywise. Be wise.



adda52



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BHOPAL



Certificate Of Excellence

THIS IS TO COMMEND

Mr. / Ms. Akshesh Choktar

for co-ordinating / securing the 2nd rank in
the 'Quiz-o-Mania' [Quiz Competition] held on 06 March 2019,
conducted by the Mathematics Division of the
School of Advanced Science and Languages, VIT Bhopal.

Dr. P Gunasekaran
Vice Chancellor

Dr. Shweta Mukherjee
Dean, SASL

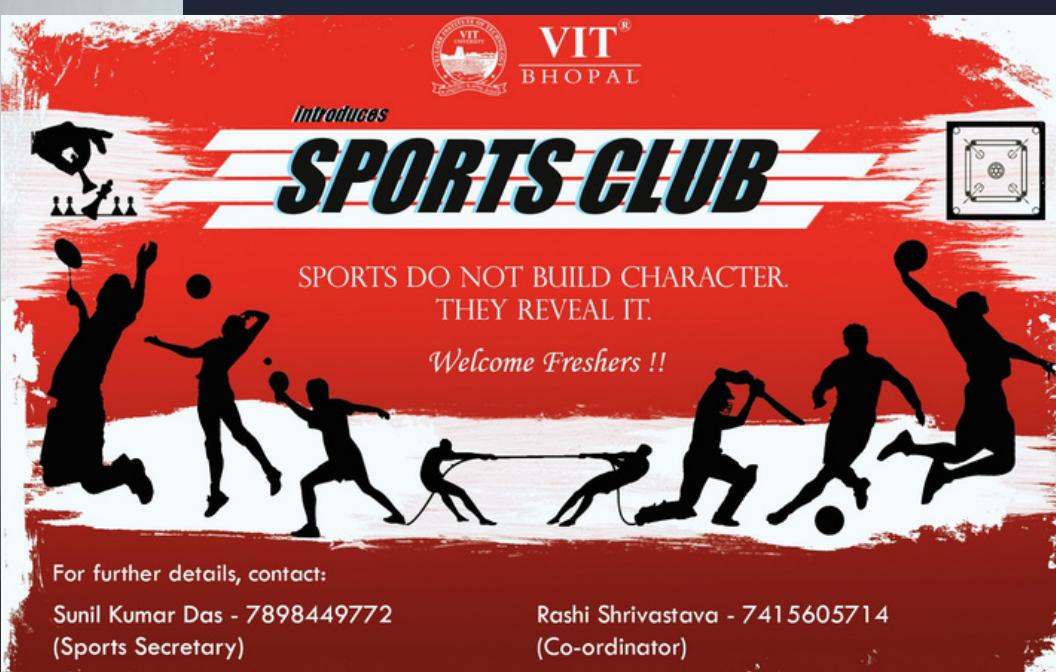
Dr. Manisha Jain
Faculty Coordinator



Responsibilities

1

Sports Club Volunteer,
AdVITya, VIT Bhopal



2

Basketball Team
Member, VIT Bhopal

3

Creative and Design
Department, AdVITya, VIT
Bhopal

⚡ HOBBIES



BASKETBALL

Represented School and
College teams in tournaments



PHOTO MANIPULATION

Designing Abstract artworks
based on space and diverse
ideas



SKETCHING

Landscapes and Portraits



COMPETITIVE FPS GAMING

Won 1st position in AdViTyा
CSGO Tournament



Thank You