ANWESAN DE

Course : **B.E. (Hons.)**, Electronics & Instrumentation, 2023
Email : f20190518@hyderabad.bits-pilani.ac.in
Mobile : 8509098064
CGPA : 8.35

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	SCIENCE	DAV MODEL SCHOOL DURGAPUR BURDWAN WB	CBSE	88.33 %	2018
CLASS X		St. Xaviers School, Durgapur	ICSE	94.5 %	2016

Subjects / Electives	Computer Programming
Technical Proficiency	MATLAB, Python3, Machine Learning, Tensorflow

SUMMER INTERNSHIP / WORK EXPERIENCE

Summer Intern, MILITARY COLLEGE OF ELECTRONICS AND MECHANICAL ENGINEERING, Secunderabad   May 2021 - Jul 2021
Working on Soldier health monitoring system using Body Sensor Networks(BSN) and Arduino Uno . The algorithm developed should takes into account the age, gender, heart rate, Spo2, temperature and position of the person and return whether there is a critical threat to the health or not .

PROJECTS

Mass mailing encrypted PDF - GUI, Database basics   Jun 2021 - Present
This script uses a tkinter gui . It encrypts a pdf with the date of birth of the receiver(by default) and sends it to the receivers. A sqlite3 database stores the information of the users(name, DOB, Email) . It is completely customizable.
Additional Features will be added .
link : https://github.com/19-ade/Mass-mailing-encrypted-data

Applying Reinforcement Learning Algorithms on gym environment - Machine Learning   Apr 2021 - May 2021
Link: https://github.com/19-ade/RL_dino_try
Using standard Gym environments I have used various algorithms like Q table and Deep Q Network to teach the agent in solving the environments.
- Highway-v0 : Trains the AI to manage traffic
- CartPole-v0 - Trains the AI to balance the pole on a cart

AI based Google Chrome Dinosaurs Game - Machine Learning   Mar 2021 - Apr 2021
Link : https://github.com/19-ade/Reinforcement-Learning-projects-on-predesigned-gym-environments
- A Deep Q Network algorithm was used to train the agent
- A Convolutional Neural Network was used to analyze the pixel data
- A Custom Gym environment was created to access the game on Google chrome and manipulate it.

POSITION OF RESPONSIBILITY

Secretary - Rotaract Club of Bits Pilani Hyderabad   Jul 2021 - Present

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Applied Machine Learning in Python	Coursera	
Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	Coursera	
Machine Learning	Coursera	
Python Data Structures	Coursera	
LaTeX101x: LaTeX for Students, Engineers, and Scientists	edX	

COMPETITIONS

Hackathon-1 | Geoffrey Hinton Fellowship   Mar, 2021
Univ.Ai held a data science scholarship hackathon . I got a AIR- 360 and a rank 3 in my college.

CONFERENCES AND WORKSHOPS

Amazon Ml Summer School
Organized by: **Amazon India** | Date: **Jul 2021**
Was shortlisted for Amazon Ml summer School where Ml topics like Supervised Learning, dimensionality reduction, Probabilistic Graphical model from aong the top 20 institutes of India.

Leadership Training Conclave
Organized by: **Rotary Youth Leadership Awards - Rotary Club of Hyderabad Deccan** | Date: **Jun 2021**

PUBLICATIONS

The intuition behind Reinforcement Learning — Journal name: Towards Data Science | Publication date: May 27, 2021

A Hitchhiker's Guide to Sentiment Analysis using Naive-Bayes ClassifierJournal name: Towards Data Science | Publication date: May 14, 2021

VOLUNTEER EXPERIENCE

CRUx - Role: Machine learning member | Cause: Science and Technology — **Mar 2021 - Present**

Rotaract club of Bits Pilani, Hyderabad Campus - Role: Secretary | Cause: Social Services — **Sep 2020 - Present**
We collaborated with REAP Benefit on water waste analysis and solutions.

Phoenix Association - Role: Ed-Board Member | Cause: Science and Technology — **Sep 2019 - Present**
As a part of Phoenix , the association for Electrical and Electronics Students, I contributed to its annual magazine and wrote the cover story. I was part of the organizing body for our technical fest , ATMOS.