



Kirtan Yogeshkumar Ghelani

CS Undergraduate • A.I. Enthusiast • Data Science

SRM University • 2020-2024

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Projects

Malware Detection using ML

- Classifying the given file whether it is malware or not
- .asm and .bytes files can be identified using random ML classification models
- There are total 10,868 .bytes files and 10,868 asm files total 21,736 files and 9 types of malwares (9 classes) in our given data which are being classified.

Skills Developed: Machine Learning, Data Mining, Python

GAN Model Architecture



- Gen A.I. - Implementation of GAN model on MNIST dataset
- Architecture of model that can generate the images of digits using GAN (General Adversarial Network) from scratch.
- MNIST dataset of handwritten digits have been used here, But for more complexions we can use conv2D, dense, and pooling layers for Image generation (similar to that of DALL.e using conditional GAN) - This type of architecture can be used in Image Generation of other type of data also. Just have to train appropriately.

Skills Developed: Deep Learning, Machine Learning, Python, PyTorch, Tensorflow

THERA-BOT



- AI-based virtual mental health assistant to provide accessible, affordable, and proactive mental health care.
- Developed a Personalised chatbot system in order to provide assistant to the people seeking for diagnosis related to mental health using GPT-3.5 language model
- Symptom Checker: This module allows users to enter their symptoms and receive an initial diagnosis. Therapy Recommendations: This module provides personalized recommendations for therapy sessions. Chatbot: This module allows users to communicate with the virtual assistant for personalized support.

Skills Developed: React.js, API, NodeJs, ExpressJs, Javascript, Machine Learning

StylCheck: Visual Testing at Scale [HackRx 4.0]



- UI Design [Figma - Web and Application Design] testing and scaling using AI & Automation
- Implemented Counter-based detection and classification models to identify the visual differences, providing automated and scalable evaluation.
- Minimization of manual effort and human error

Programming Languages

C | C++ | Python | JavaScript

Skills

Data Science | Deep Learning | Machine Learning | Tensorflow | Flask | Computer Vision | REST | Data Structures and Algorithms | React.js

Education

SRM University, Ramapuram Campus
B.Tech, Computer Science Engineering (CSE)
| 9.4 CGPA
2020 - 2024

JAVIYA SCHOOLING SYSTEM
Class X | 9.3 CGPA
2018 - 2018

SRI N.P Bhalodiya High School
Class XII | 7.9 CGPA
2020 - 2020

Certifications & Courses

Python for Data Science and Machine Learning Bootcamp

- Learned basics of Python, Data Preprocessing, Data Visualisation and various Machine learning Algorithms useful in Data Science

February 2023 | [Certificate Link](#)

Microsoft AI Classroom Series

- Attended the AI classroom series organised by NASSCOM in association with Microsoft

December 2020 | [Certificate Link](#)

GOOGLE KICKSTART 2021

- Attempted 2 rounds of Google Kickstart 2021 (Coding Competition)

April 2021 | [Certificate Link](#)

PROJECT EXPO 2023 at SRM University

- Built and Pitched the project: A.I. POWERED HEALTH DIAGNOSTIC SYSTEM

February 2023 | [Certificate Link](#)

JAVASCRIPT Certification by SRM AXIS INTELLECTS

Skills Developed: AIDL, Machine Learning, Deep Learning, Flask, Computer Vision

Position of Responsibility

PR Head of Campus Life at my University [Link](#)

- I used to handle marketing stuffs of non-technical events at university levels as well as to bring up the sponsors that can fund the events
- Campus Life is the community that handles every non-technical and cultural events at my university

Technical Head at Student Community [TechWiz] [Link](#)

- I have conducted many Technical events in my university at huge level. Also have conducted mini-hackathon named as "PAIR-A-THON" at my University's Technical Fest

Technical member of Google Developers Students Club [Link](#)

- I have helped GDSC community in many technical aspects
- Also conducted Technical Event : ASJ 2022 (Android Study Jams 2021)
- I have 1 year of working experience in this community
- Also was active content writer and blog writer

Achievements/ Extracurricular Activities

- HackRx 4.0 Finalists [Hackathon by Bajaj Finserv]
- Winner of HACK SRM 4.0 Hackathon (project: VoteFlicks; award title: Best Blockchain)
- Microsoft AI classroom series

- This certification is awarded for the completion of complete Javascript course by SRM AXIS Intellects

May 2021 | [Certificate Link](#)

HackRx 4.0 Finalists - participation [Bajaj Finserv]

- Selected for final round in HackRx4.0 (hackathon by Bajaj Finserv) and built A.I and automation based fully functional project.

July 2023 | [Certificate Link](#)