Narendra Jani

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Projects

AN APP TO HELP SENIOR CITIZENS
Engineering Design Project
📅 April 2021 – June 2021
- An App for helping older people to get them familiarise with using smartphones. It Assigns daily tasks for user and provides tutorials.
- Kotlin and XML was used as backend and frontend languages. Firebase was used as our database.

VEHICLE DETECTION IN AERIAL IMAGERY
Design Credit Project
📅 Sept 2021 – Oct 2021
- By using VGG16 as base model, created a deep learning model which can detect vehicles in aerial imagery where targets of interest are very small and of low resolution. Model was trained and tested on VEDAI dataset
- Tensorflow, OpenCV and matplotlib libraries were used.

KD-TREE FOR FINDING K-NEAREST NEIGHBORS
Self Learning Project
📅 June 2022 – June 2022
- Implemented kd-tree functions from scratch using c++ language. It supports queries: k-nearest neighbors, neighbors in given distance.
- OpenCV was used for visualisations.

PORTFOLIO WEBSITE
Self learning project
📅 Jul 2022 – Jul 2022
- Designed my portfolio website which support theme change and resizing according to screen size.
- CSS, HTML and Java Script were used.

Competitions

PITCHING COMPETITION
Prometeo: Tech fest of IIT Jodhpur
📅 March 2021
- We had a team of three people. We proposed a solution for traffic problem using Samsung Smart Tag.
- After passing the three rounds, our team ranked 2nd among 30 teams. We won 20,000 rupees.

EXTRACURRICULAR
Assistant Head PR Team : Varchas
📅 April 2022 – April 2022
- Varchas is largest sport fest of north-west India. I was the assistant head of PR team.

E-Cell IIT Jodhpur
📅 Since May 2021
- I am the core team member of IIT Jodhpur's entrepreneurship club since May 2021.

PIC IIT Jodhpur
📅 Since Jan 2022
- I am the core team member of IIT Jodhpur's placement and internship cell since Jan 2022.

Education

IIT Jodhpur
B.Tech in Mechanical Engineering
📅 2020-2024   📍 Karvar, Jodhpur
CGPA: 8.11 (upto 4th sem)
Department rank: 6(63)

Apex School, Jodhpur
Class 11 & 12 | Rajasthan Board
📅 2019   📍 KBHB, Jodhpur
Percantage- 94.60%

Adarsh Bal Vidhya Mandir School
Class 10 | Rajasthan Board
📅 2017   📍 Tinvari, Jodhpur
Percantage- 90.00%

Links
- GitHub **Narendra-027**
- Linkedin **narendra-jani-027**
- Portfolio **Narendra Jani**

Skills
PROGRAMMING
- C · C++ · Python · Kotlin
- HTML · CSS · JavaScript

ANDROID
- Kotlin · Android Studio · Flutter
- FireBase

UTILITIES
- Git and Tools · Latex

Coursework
GRADUATE
- Data Structures and Algorithms
- Intro. to Machine Learning(CSL2010)
- Introduction to computer Science
- Signals and Systems(SnS)
- Introduction to Electrical Engineering
- Scientific Computations
- Linear Algebra
- Calculus and differential equations

Achivements
- Among top 0.9 percentile in JEE Advanced examination.
- Secured 256th rank in COMEDK Engineering entrance.