KUNAL SHARMA

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SKILLS

TECHNICAL SKILLS
C++
Python
MATLAB
SQL
PowerBI
Arduino

RELATIVE COURSEWORK
DSA
DBMS
ML

OTHER INTERESTS
Astronomy
Graphic Designing

ACHIEVEMENTS

- **Joint Entrance Examination (Advanced)**
  AIR: 7447 (GEN)
- **Joint Entrance Examination (Main)**
  AIR: 6107 (GEN)
- **Science Olympiad Foundation**
  School Topper

VOLUNTEERING

- **World Space Week, NIT Warangal (In association with WSWA and ISRO SDSC, SHAR)**
  Event Coordination and Public Relations. The event received a footfall of 15k in 2 days. ~80% of them were school children.

EDUCATION

NIT Warangal 2017 to 2021
B. Tech Electrical and Electronics Engineering
CGPA: 6.25/10

MDS Senior Secondary School 2016
XII CBSE 92.4%

Alok Senior Secondary School 2014
X CBSE CGPA: 9.6

EXPERIENCE

Aufenbach Oct. 2019 to Apr. 2020
Internship Warangal
Developed a project on Human Activity Recognition using RNNs: System through which user's physical activities can be tracked using sensors. Virtual Reality to experience the computer simulation. Worked on data acquisition from sensors and conversion to useful format.

PROJECTS

Celebrity Face Recognition
Model is build using SVM Classifier and deployed on AWS EC2 instance using Python Flask server that serves requests. There's also a UI website that allows the user to drag and drop the image to be classified. Achieved an accuracy of 82%.

Bengaluru Real Estate Price Prediction
Model is build using Linear Regression and deployed on AWS EC2 instance using Python Flask server that serves requests. There's also a UI website that allows the user to enter home square ft area, bedrooms etc. and get the predicted price. Achieved an accuracy of 86%.

Web Scraping using python BeautifulSoup
Web scraping with python and BeautifulSoup Library for 3 different websites.

Handwritten Digit Recognition
Implemented using CNNs in python. Used MNIST database for training and testing. This was then compared with the other model which didn't use CNNs.

Voice Controlled Bot
Created a voice-controlled bot using L293D motor driver module and Bluetooth HC-05 module interfaced with Arduino. Used Google voice typing for voice recognition. Bot is controlled via smartphone app.

Gesture Controlled Bot
Made a gesture-controlled bot using MPU60050 module and transmitter-receiver modules interfaced with Arduino.

ACTIVITIES

Assistive Technology Team, Innovation Garage (IG)
Working on technology solutions for Visually Impaired. Current Projects: Teaching geometry to VI kids, Navigation system for VI people.

Electrical Engineering Association, NIT Warangal
Served in Event Conduction & Coordination and Design teams.

E-Cell & E-Summit, NIT Warangal
Served in Design and Event Conduction & Coordination teams.

Technozion, NIT Warangal
Managed a techno-marketing event named MAD MARKETING at the annual technical fest of NIT Warangal. The event was the only management themed event in the whole fest. It witnessed a participation of 400+ students.