

KUNAL SHARMA

✉ ksharma@student.nitw.ac.in
🌐 ksh168.github.io
☎ +91-94629 68718/ 80056 81030
in kunalsharma99
🔗 ksh168

SKILLS

TECHNICAL SKILLS

C++
Python
MATLAB
MySQL
PowerBI
Arduino

RELATIVE COURSEWORK

Data Structures
OOPs-C++ (Basics)
DBMS
Machine Learning (Basics)

OTHER INTERESTS

Astronomy
Graphic Designing

ACHIEVEMENTS

- **Joint Entrance Examination (Advanced)**
AIR: 7447 (GEN)
- **Joint Entrance Examination (Main)**
AIR: 6107 (GEN)
Top 0.5% of 1.3+ million students nationwide
- **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 B. Tech in Electrical and Electronics Engineering CGPA: 6.25/10	2017 to 2021
MDS Senior Secondary School XII CBSE 92.4%	2016
Alok Senior Secondary School X CBSE CGPA: 9.6	2014

EXPERIENCE

Aufenbach <i>Internship</i>	Oct. 2019 to Mar. 2020 Warangal
Real-time Body Tracking for VR Applications: <ul style="list-style-type: none">• Developed a system through which user's physical activities are tracked using sensors.• Users can walk inside computer simulation without any hand controls.• Worked on design of system, data acquisition from sensors and conversion to useful format.• Was able to convert the work done here into a research paper that was presented at various locations including an International Seminar in Malaysia.	

PROJECTS

Custom URL Shortener - smolink

- Shortens URL upto **length 512 characters to 6 characters**
- Able to **redirect links** and keep **stats on the number of visits**
- Uses **sqlite3** for database management
- Has **HTTP Basic Authentication** to view stats
- Made using Flask, Flask-SQLAlchemy

Celebrity Face Recognition

- Dataset used **250+ images in 5 categories** mined using **web scraping**
- Used: SVC, Random Forest, Logistic Regression, OpenCV, Python, Flask
- **End to end project** with **Web UI** where user can **drag and drop** the image to classify
- Successfully achieved an **accuracy of 82%**

Bengaluru Real Estate Price Prediction

- Dataset used consists of **13,000 records** with **8 independent features**.
- Used: LinearRegression, DecisionTreeRegressor, Python, Flask
- **End to end project** along with **Web UI** where user can input the features and get an estimate price
- Successfully achieved an **accuracy of 86%**

Arduino Voice Controlled Bot

- L293D motor driver module, Bluetooth HC-05 module interfaced
- Used Google voice typing for voice recognition. Bot is controlled via smartphone app.

Arduino Gesture Controlled Bot

- MPU6050 module, radio transmitter-receiver modules interfaced

ACTIVITIES

Assistive Technology Team, Innovation Garage (IG)

Working on technology solutions for **Visually Impaired(VI)**. 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**.