Kunal Sharma

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EDUCATION

NIT Warangal　　　　　　　　　　　　　　　　　　　　　　Warangal, Telangana
Bachelor of Technology in Electrical and Electronics Engineering, CGPA: 6.0/10　　2017 - 2021
MDS Senior Secondary School　　　　　　　　　　　　　　　Udaipur Rajasthan
XII CBSE, 92.4%　　　　　　　　　　　　　　　　　　　　　　2016
Alok Senior Secondary School　　　　　　　　　　　　　　Udaipur, Rajasthan
X CBSE, CGPA: 9.6　　　　　　　　　　　　　　　　　　　　　2014

SKILLS

Technical Skills: C++, Python, MATLAB, Arduino
Relative coursework: Data Structures and Algorithms

EXPERIENCE

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

PROJECTS

- **Web Scraping using python BeautifulSoup:**
  Web scraping with python and BeautifulSoup Library for 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.

POSITIONS OF RESPONSIBILITY

- **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.

ACHIEVEMENT AND HONOURS

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

VOLUNTEERING EXPERIENCE

- **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.