

KUNAL SHARMA

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SKILLS

TECHNICAL SKILLS

C++
Python
MATLAB
MySQL
PowerBI
Arduino
JavaScript

RELATIVE COURSEWORK

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

OTHER INTERESTS

Astronomy
Graphic Designing

PUBLICATIONS

HCH DEX: A Secure Cryptocurrency e-Wallet & Exchange System with Two-way Authentication Oct. 2020
IEEE, 2020 Third International Conference on Smart Systems and Inventive Technology (ICSSIT)
DOI: [10.1109/ICSSIT48917.2020.9214122](https://doi.org/10.1109/ICSSIT48917.2020.9214122)

Smart Boarding System with e-Passports for Secure and Independent Interoperability Nov. 2021
Springer Nature Computer Science. 3, 52 (2022)
DOI: [10.1007/s42979-021-00938-5](https://doi.org/10.1007/s42979-021-00938-5)

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

National Institute of Technology Warangal B. Tech in Electrical and Electronics Engineering CGPA: 6.66/10	2017 to 2021
MDS Senior Secondary School XII CBSE 92.4%	2016
Alok Senior Secondary School X CBSE CGPA: 9.6	2014

EXPERIENCE

ACT Ltd <i>Management Trainee</i> Technical Leadership Development Program Projects: <ul style="list-style-type: none">• Customer satisfaction score framework: HTML, CSS, JS, PHP• CXM Analytics tool: MongoDB, Python, Countly	June 2021 to Current Bengaluru
Aufenbach <i>Internship</i> <u>Real-time Body Tracking for VR Applications:</u> <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 2 research papers that were presented at various locations.	Oct. 2019 to Mar. 2020 Warangal

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**
- Users can set their own **personalized URL**, uses sqlite3 as db
- Has **HTTP Basic Authentication** to view stats
- Made using Flask, Flask-SQLAlchemy

Django Blog Website

- Blog website made using **Django** and deployed on **PythonAnywhere**, sqlite3 is db
- Users can:- **Register new account, Create, update, delete posts**
- Choose a **custom profile picture**, View posts by individual user
- Change account username, email, password
- Request **password reset email**

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** with **Web UI**, user can input the features & get an estimate price
- Successfully achieved an **accuracy of 86%**

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**.