



Employement

DC Analyst | Deloitte USI

Project Lead | Caddman 3d Technologies

- Implemented PID control theory in flight controller
- Designed wireless remote using nrf24l01
- Prototyped a toy car and controlled it via my remote
- Designed a machine to purify air exhaled in breathalyzer

Intern | Pingalaksh

Designed of Home-Automation System

Projects

Roll A Coaster-Techspardha

- Design and fabrication of pathway and lifting mechanism for a ball

CAD

- Designed a mini CNC machine cad model
- <https://grabcad.com/library/cnc-machine-104>

Web Development

- Developed frontend using Angular(typescript)
- Developed backend using Python-flask

Omegle Translator

- Learned how to scrap web pages
- Coded a simple omegle translator that can live translate
- My project is at <https://youtu.be/tXApL7ymE8s>

Image classification | Machine Learning

- Learned Basic concepts of Machine Learning
- Classified 10000 images of cats and dog
- Achieved 76% accuracy using LNN
- Achieved 84% accuracy using CNN respectively

Smart AI Agent | Machine Learning

- Build a simple game using python, kivy
- Agent was given ability to think using AI algorithm

Home Automation | IOT

- Learned to design a relay circuit
- Learned to design app using Android studio - Java
- Learned to create API to send data over Internet
- Learned to practically apply google firebase
- Learned about mqtt
- <https://youtube.com/shorts/ZiCrAMoRbQQ?feature=share>

Orientation Visualizer

- Learned how to use IMU-MPU9250
- Learned how to visualize data
- https://youtube.com/shorts/ynq_KB4tbs8?feature=share

Education

B. Tech in Mechanical Engineering | 2018-2022

National Institute of Technology, Kurukshetra

HSC | CBSE | Non-medical | 88.8% | 2017

Colonel's Central Academy, Gurugram

SSC | ICSE | 92.6% | 2015

Lt Atul Katarya Memorial School, Gurugram

Technical Skills

Skills

Data structures and Algorithms, AWS, Microservices (Java), Python-Flask, Spring, Arduino, Angular, Firebase, Android studio (Java), Raspberry pi, Web-Scrapping, machine learning, CNN, Home-Automation, Image classification

Extra-curricular Activities

Member of brakes department | SAE NIT KKR

- Learned about type of brakes and brake fluid
- Joined team Accelerons
- Fabricated a formula 1 racing prototype car
- Participated in SUPRA-2019

Discus Thrower | Athletics

- Learned basic technique to throw discus

Machinability

- Participated in machinability organized by mechsoc
- Build a model based on slider crank mechanism
- Won the competition

Event Organizer at Autokriti SAE NIT KKR

- Teaching faculty at Autokriti
- Visited 6 colleges to introduce North India's largest Automobile workshop to students

Joined MECHSOC

- Brainstormed about competition to be organized
- Smoothly executed planned events

Hobbies

Chess, Cycling, Tables Tennis, Badminton

Language

Hindi, English

