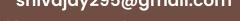




shivajay295@gmail.com



https://github.com/frozenmafia



https://www.linkedin.com/in/shivankanchal in



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 tanslate
- -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 Al Agent | Machine Learning

- -Build a simple game using python, kivy
- -Agent was given abiliy 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 mgtt
- -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%

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 machinibiliy 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 studnets

Joined MECHSOC

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

Hobbies

Chess, Cycling, Tables Tennis, Badminton

Language

Hindi, English