Shivank Anchal

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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 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 AI 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 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 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