Raja Asiwal

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📞 +91-9057637239   LeetCode

GitHub

Education

Electrical Engineering, *Indian Institute of Technology Hyderabad (IIT Hyderabad)*
07/2017 – 06/2022 | Hyderabad, India
GPA: 7.1

Senior Secondary School (XII),
SVP Sr Sec School
05/2015 – 06/2016 | Jaipur, India
Percentile: 84.80% with 100 out of 100 in mathematics.

Secondary School (X), *SSVM Sr Sec School*
05/2013 – 06/2014 | Jaipur, India
Percentile: 81.33%.

Profile

Real-life problems solving using technology
Love projects and teaching
Explore my limits and push them to learn new
Work on different languages/technologies

Languages

- Hindi
- English

Skills

C, C++, Python, Java, Data Structure, Algorithms, HTML, CSS, JavaScript, OOPS

Projects

Dance Academy Website ⧉
05/2022 – 08/2022
Build an Dance Academy desktop website by HTML, CSS, JavaScript, NodeJs, ExpressJs, nodemon, pug, etc.
Deployed that website ad the source code ⧉ on github pages

Smart Power monitor
07/2020 – 05/2021
Collected the data using Power Monitoring Device and uploaded using Arduino, Wi-Fi-module
Collected the class timing data from Institute
Created a server to show data using NodeJs, Postman, Express, MongoDB, pug
Computed the power usage when there are no classes
Implemented by IITH and saved 6-7% cost (1 Lac INR/building per month).

Electric Vehicles
08/2021 – 12/2021
Evaluated the cost for diesel buses and vehicles used in IITH
Calculated the cost to transform them into hybrid diesel-electric
Sum the cost for EV and Solar panel charger
Approved by IITH and replaced all vehicles with EVs.

Smart Control on Vehicles
08/2018 – 12/2018
Every vehicle chip contains the person data who can ride that vehicle
Generated time limit OTP and QR code using python
Appreciated by college professors to build.

ML Price Predict Model ⧉
01/2022 – 03/2022
Archived data from the Boston Housing UCI ML repository ⧉
Imported data using pandas in Jupyter notebook
Built a data pipeline using python, sklearn, numpy, imputer, etc.

ML model predicts the price for houses..

Criminal Catcher
02/2018 – 05/2018
Dangerous criminal will wear this neckband
Implemented options to located, unconscious, or kill the criminal
Approved by Jailer and Jail Superintendent to build.

Academic Projects
Smart toy-car with smart street lights (using Arduino, servo motor and sensors)
Smart Fish (using Arduino, IR)
FM Radio
Battery charger and charge estimation of a battery with Arduino
Specific voice-controlled car
Drone
Frequency Shift Key
Object detection (openCV),
Requirements and cost analysis of 5G network for Indian people and military

Professional Experience

Quality Analyst, *FreeCo Education*
09/2021 – 12/2021 | Jaipur, India
Checked the education content quality
Updated and added correct and new methods.

Doubt Solver, *Kunduz*
09/2020 – 11/2020 | Jaipur, India
Solved Mathematics and Physics questions of students, preparing for IIT Exam.

Mentor and Recruiter, *MyTutor247*
07/2019 – 01/2020 | Hyderabad, India
Mentored students to prepare for the IIT exam
Taught mathematics and Physics topics
Recruited other mentor and doubt solver for company.

Teacher, *Prayaas Corps (NGO)*
05/2019 – 06/2019 | Jaipur, India
Taught students till the 9th class
Arranged Carnival functions and games for the children