

Nakul Shahdadpuri

A determined, spirited individual who will stop at no end to get tasks done. Constantly searching for new opportunities to learn and grow.

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EXPERIENCE

ITS Planners and Engineers, Hyderabad —Software Development Intern

December 2019

Performed unit testing for their new serial adapter. Automated the process of Input and output using subprocesses in python.

Created a Traffic data extractor using YOLO machine learning model. The model calculates the trajectory of the object detected giving turning moments /percentage of vehicles crossing the intersection .

EDUCATION

Indian Institute Of Information Technology, Gwalior —Bachelor of Information Technology

August 2018 - Present

Member of the Innovation and Incubation Cell
Member of the SGM club

SKILLS

C , C++ , JavaScript, Python3, Linux, P5.js, Git, Django, Bash, Data Structures, Machine Learning, Anaconda, Spyder, Sockets, SFML, Arduino, SQL, DataBase Management, Object Oriented Programming.

AWARDS

Annual Case Study Contest at IIIT Gwalior—Presented a case study analysis on the Corporate Sustainability Policy of an MNC.

Year - 2018

Rank 7 in National Science Olympiad(NSO)
Year - 2016

Secured 95.65 Percentile in National Genius Search Examination (NGSE).
Year - 2016

LANGUAGES

English
Hindi

Interests

Piano
Tennis
Reading Books
Traveling
Photography

Links

[Github](#)
[linkedin](#)

PROJECTS

Traffic Trajectory Analyser

A Traffic data extractor which analyses video(mp3) of an intersection of roads and uses YOLO machine learning model to identify trajectories and class of vehicles.

Web Development with Django

A basic Django website design with user login and verification. Along with a forgot password functionality using twilio.

Airport Database Management System

A complete database system design for an International Airport. Along with the respective schemas reduced to Boyce Codd normal form. Additional implementation of the project was done using SQL.

Machine Learning with JavaScript.

Machine Learning Projects using p5.js and ml5.