Sahil Dhanvij

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EDUCATION

Indian Institute of Technology Dhanbad, India   Aug 2022 - May 2024
Masters of Technology in Computer Science and Engineering   GPA: 7.0/10.0

Savitribai Phule Pune University, India   Aug 2017 - May 2021
Bachelors of Technology in Computer Science and Engineering   GPA: 7.48/10.0

PROJECTS

Video Surveillance using Visual Content Based Retrieval Process   June 2023 - May 2024
Prof. Arup Kumar Pal, IIT Dhanbad
- Data is collected from surveillance videos
- The video data is compressed using MPEG video compression algorithms
- YOLO an object detection algorithm is imported in order to detect object in the surveillance videos
- A CBRS (Content Based Retrieval System is developed to objectify the person of interest in the surveillance video

PayTm Wallet Clone   Aug 2021 - Dec 2021
Learning Project
- Built a Paytm Wallet Clone using MongoDB, Express.JS and React
- Learnt about transactions in Databases which were essential for online wallets

Video Compression   Aug 2020 - May 2021
B.Tech Final Year Project
- Collecting Video Data from Surveillance cameras
- Used MPEG compression algorithms to compress video data using Python.

Data Analysis Project   Aug 2023 - Dec 2023
Learning Project
- Data Analysis of FIFA 2022 dataset consisting of 16.6k players across 15 fields

TECHNICAL SKILLS

Programming languages: C++, Python, JavaScript

ML/AI: Pytorch, Numpy, Pandas, Matplotlib

Web Technologies: HTML, CSS, JavaScript, Express.JS, Node.JS

Miscellaneous: MySQL

RELEVANT COURSEWORK

Computer Science: Machine Learning, Multimedia System, Data Structures and Algorithms, Databases, Operating Systems, Computer Networks, Object Oriented Programming, Data Analysis

POSITIONS OF RESPONSIBILITY

Teaching Assistant, IIT Dhanbad: 2021 - 2022
Taught and solved students doubts in Database and Data Structure Algorithm Labs