

RAM CHANDEL

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EDUCATION

Indian Institute of Information Technology Kota

B.Tech Electronics and Communication Engineering *CGPA: 7.59*

Kota Rajasthan
Dec 2020 - May 2024

Delhi Public School Kashi

CBSE {class 12th} *Percentage: 89.6%*

Varanasi Uttar Pradesh
2018 - 2019

Delhi Public School Kashi

CBSE {class 10th} *CGPA: 10*

Varanasi Uttar Pradesh
2016 - 2017

TECHNICAL SKILLS

LANGUAGES: Java, JavaScript, Python, HTML, CSS, SQL

DEVELOPER TOOLS: Figma, Canva, VS Code, Git, GitHub

TECHNOLOGIES: ReactJS, NodeJS, ExpressJS, MongoDB, Rest-API, Open CV, Pandas

CS FUNDAMENTALS: Object oriented programming, DBMS, Operating System, Computer networks

PROJECTS

Intern Registration Portal | NGO (Beal Foundation) | 15 March 2023 – 19 April 2023

1. This web application was developed to automate interns' hiring for an NGO Beal Foundation.
2. The landing page leads users to registration form, download certificate using intern id, download letter of recommendation using intern id, get internship details of any registered intern using intern id and About page.
3. The admin panel, authenticated using Jason web token has controls to add/remove admins, remove/ update intern details, provide letter of recommendation, and a dashboard to display statistics of registered interns.
4. Certificate and letter of recommendation are dynamic and along with histograms and cards in dashboard are designed with custom CSS and bootstrap .

Tech stack: ReactJS, NodeJS, MongoDB, Express JS, HTML, CSS, Bootstrap,

Smart Attendance | College Project | February 2023 – April 2023

1. Our program utilizes face recognition technology to accurately identifies students, hence simplifying attendance and saves 33% of class time which is lost when using traditional methods.
2. Once instructor selects the batch or class. It captures real time video, recognizes image, adds a new column to the corresponding excel file and marks "P" against presents and "A" by default.
3. The prototype tested on a class of strength 60 resulted in 88.82% average accuracy in 7 trails.

Github Smart-Attendance

Tech stack: Python, Face Recognition, Pandas, NumPy, Open CV

Renter's Guide | Web Application | July 2022

1. Renter's Guide is a web application to cater the needs of a landlord with tenants on multiple properties by providing data on a user-friendly interface to manage tenants.
2. The application provides features to add/update/delete the details of any tenant on any specific property.
3. Front-end uses bootstrap cards to show the details.

Github Property-Rental-Management

Tech stack: ReactJS, NodeJS, MongoDB, Express JS, Bootstrap

Virtual Mouse | Mouse is outdated now | Oct 2021

1. Developed a hands-free user experience to control mouse cursor by hand gestures using OpenCV.
2. Mimicking natural interactions, the project incorporates finger movement to move cursor, "pinch" gesture with the index finger and thumb to register clicks, "pinch" gesture with the index finger and middle finger to register double clicks.
3. MediaPipe library is used for multi-hand detection and tracking, provides methods to get coordinates of landmarks on each finger, which are used to calculate distances between them and decide the finger to be considered for cursor movement. It also measures the proximity of fingers to register a click.

Github Virtual-Mouse

Tech stack: OpenCV, Mediapipe, Numpy, Math, Pyautogui

ACHIEVEMENTS

Solved 400 approx. Data Structures and Algorithms Problems | **Leetcode** + **GFG**

Elements of AI - course | **View Certificate**

General Secretary | Incognito (Official cultural club - IIITKota) | Oct 2021 - Oct2022

Black Belt- Dan 1 | 14 Dec 2018 | Amritsar Punjab