CHINMAY SINGH

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EDUCATION

International Institute of Information Technology (IIIT), Naya Raipur   Dec 2020 - May 2024
Bachelor of Technology (ECE)   *Naya Raipur, India*
CGPA: **8.91/10**

Delhi Public School, Vidyut Nagar   Apr 2018 - Mar 2020
Senior Secondary High School, Class XII   *Dadri, India*
Percentage: **96.4%**

Delhi Public School, Vidyut Nagar   Apr 2016 - Mar 2018
Secondary High School, Class X   *Dadri, India*
Percentage: **96.0%**

COURSEWORK

- Data Structures and Algorithms
- Machine Learning Algorithms
- Graph Algorithms and Competitive Programming
- DataBase Management System (DBMS)
- Linear Algebra and Matrix Analysis
- Optimization Algorithms &Competitive Programming

PROJECTS

Ear Biometrics   Aug 2022 - Dec 2022
Tech Stack - Python, Tenserflow, Keras, OpenCV, Tenserflow Lite
- Designed a deep learning model to identify person based on his ear pattern.
- Implemented image processing techniques using computer vision.
- Deployed the model to a lightweight, user-friendly Android App.

Emotion Recognition using EEG Signals ⬈   Aug 2022 - Dec 2022
Tech Stack - Python, Scikit-Learn, Python, Matplotlib, Pandas, MATLAB
- Created a Valence-Arousal model to classify emotions as happy, sad,scared and calm.
- Implemented feature extraction and label generation on EEG signals using DEAP dataset .
- Implemented multiple classifiers with tuning hyper parameters.

Online Complaint Management System ⬈   Dec 2021 - Feb 2022
Tech Stack - Javascript, HTML, CSS, PHP, Xampp, MySQL
- Created a complaint management system database containing records of filed complaints and their completion status.
- Implemented both user and admin end to control the registrations and update the current status of complaints.
- Used MySQL and Xampp server to connect the site with the local host to provide user and admin interface .

SKILLS

LANGUAGE
C++, Python, Latex, HTML, CSS, SQL
DEVELOPER TOOLS
VS Code, Colab, MATLAB, Jupyter Notebook, PyCharm

FRAMEWORKS
Data Structures, Machine Learning, Github, OpenCV, Deep Learning, Numpy, Matplotlib

EXTRA CIRRICULAR

Member of Marketing and Promotions Team, SCInTFIC IIIT-Naya Raipur (2021 - 2022)