

HARSH IRAMANI

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ABOUT

An enthusiastic student who likes software and development and is eager to learn and improve in new technologies and trends in software development.

EDUCATION

BTech in E&TC , Vishwakarma Institute of Technology CGPA: 8.29	Expected 2024
12th Pass Out , M.P International School and Junior College Percentage: 82.64	2018 - 2020
10th Pass Out : City International School, Kothrud Percentage:88.8	2018

SKILLS

HTML, CSS, JavaScript, PHP, Java, C, C++ ,Data Science, J, Python, Data Structures and Algorithms, OpenCV ,Computer Vision, R, Embedded C, MySQL, XAMPP

RELEVANT COURSE WORK

Web Technology, Data Science, Computer Vision, Advanced Data Structures, OOPs in Java, Python, C++, Design of algorithm and analysis, Database Management System

PROJECTS

Deep Learning based Lip Reading System

Roles and Responsibility:

- Designed a lip reading system using a custom designed deep learning model using Python and GPU.
- Feature extraction using *3D-Convolutional Neural Network* and *Bidirectional LSTM* for the model.
- *Connectionist temporal classification (CTC)* encoder and decoders are applied for training and testing.

Photo Editor Website

Roles and Responsibility:

- Made a photo editor which can take images from links and can be edited in the website
- Made the website using *HTML,CSS, JavaScript ,PHP*

Campaign Management System using Java

Roles and Responsibility:

- Designed a GUI based Campaign Management System using Java to add, update delete and clear campaigns in the database.
- Made use of XAMPP Server and MySQL for database management along OOPs concepts of Java.

Face Recognition Attendance System

Roles and Responsibility:

- Designed a customized and attractive GUI for face recognition based attendance system.
- Used Haar Cascade algorithm to detect various faces and trained the machine learning algorithm.
- MySQL and XAMPP Server make a database of images of students along with their personal details.

CV based Acne-Herpes Classifier

Roles and Responsibility:

- Extracted features from image dataset using combination of *Grey Level Co Occurrence Matrix(GLCM)* and *Linear Binary Patterns(LBP)* algorithms using *Python and GPU*.
- Successfully classified new images using *LightGBM, Support Vector Machine, Random Forest classifiers*.

Customer Segmentation using Machine Learning in R

Roles and Responsibility:

- Collected and analyzed customers' dataset using K-means algorithm.
- Segmented customers based on gender, Age, Annual Income, Spending Score.

EXTRACURRICULARS

- Marketing Volunteer in EDC(Entrepreneurship Development Cell, VIT
- Social Welfare and Development Volunteer in Matadhikar Campaign in which helped 25 people in making voter ids.
- Participated in Cricket, chess and coding competitions during fests.
- Participated in project based hackathons.
- Participated in coding contests on hackerrank and codechef.