



# Monika Singh

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## EDUCATION

Degree	Institute	Year	CPI/Aggregate
B.Tech.	Indian Institute of Information Technology, Vadodara	2015-2019	7.35 cpi
Intermediate/+2	Kendriya Vidyalaya No 2, Visakhapatnam (CBSE)	2012-2014	91.6%
High School	Kendriya Vidyalaya No 2, Visakhapatnam (CBSE)	2010-2012	95%

## SKILLS

Expertise Area	web development,pure programming(python),Database
Area(s) of Interest	Object oriented Concepts,Full Stack web development,Machine Learning
Programming Language(s)	Java (Core),Python,C,C++,PHP,Javascript,Flask Framework
Tools Used	Photoshop,Pycharm,Android Studio,Xaamp

## PROJECTS

### Chess using OOPS: OOPS, IIIT - Vadodara

Individual

**Instructor : Parth Gupta**

A Chess game coded fully in java based on object oriented approach. Including all the features like :

- basic movements of all the pieces.
- movements in case of different colors in path.
- conditions for check-mate.
- player turns.
- Object Oriented.

Language used : Java

### Web Design : College Website for mobile alerting system :Intro to IT , IIIT Vadodara

Team-6

**Instructor : MLD**

A website based on alert system. website consist of various clubs and committee of our college and each department has its own way to alert students regarding any issue.basically this website is used to alert students of respective clubs and committee on mobile as well as through email.. With following features.

- used API for alerting through message on mobile.
- used xaamp for database connectivity
- Based on PHP Framework.
- various templates and design used for clubs and committee,webpages,feedback ,comments,upload (pics,document etc),recent updates.

Language used : HTML,CSS,JavaScript,Jquery,Bootstrap,Php

## **Automated Lock System : College hackathon, IIIT-Vadodara**

Team-6

Automatic secure lock system for linux-Ubuntu using face detection and identification for the authorised user This is a security tool to automatically lock the system when: No face is detected in front of webcam. If any face is detected then checking whether it's an authorised user or not.

Consists of following features.

- For single authorized user.
- Still limited to linux distribution - Ubuntu.
- It automatically get lock when No face is detected in front of webcam.
- System get locked automatically if any face is detected then checking whether it's an authorised user or not.

Used : Image Processing, Machine Learning, Python

## **A complete UI based Jewellery shop management : DBMS, IIIT Vadodara**

Team-6

**Instructor : P.M Jat**

A fully functional Database on jewellery shop management. Which entertains Queries like whose bill is remaining, bill paid at first time, gold sold at particular date, total stock of gold, net profit of year, max sold scheme and product.etc

Consists of following features.

- customer and supplier relationship
- details and record of customer, supplier transaction
- mortgage details and transaction
- Scheme details and transaction
- billing record with all details of products.

Used : C, phpmyadmin, ubuntu (terminal)

## **Flask apache2- server : Full Stack nanodegree, Udacity**

Individual

The project is on deploying a flask server item-catalog project to a linux server on digital ocean. Item-catalog project: This is an application with backend flask which contains the Restaurant names and menu items present in that particular restaurant with the auth functionalities third party authorization and also implements the crud functionalities i.e add, delete, read and edit and the database sqlalchemy. The functionalities that you can't add, edit or delete the restaurants names, menu items excepts the authorized user. Other users can only see list of total restaurants and its menu items.

<http://monika.singhpratyush.in>

Used : Python, Flask framework, SQLAlchemy, http lib, oauth2 client (Third party authorization)

## **AWARDS AND ACHIEVEMENTS**

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- Full Stack Nanodegree certificate from Udacity
- Scored 2450 rank in Snackdown contest in codechef held in may 2017
- selected among top 5 teams in college level hackathon held in october 2017
- completed 1 month web development internship, in sociowander from work at home.
- selected as campus ambassador in IIM -bangalore.

## QUALITIES

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- Team Player
- Enthusiast
- Have Patience
- Presentation skills
- Quick Learner

## INTERESTS AND ACTIVITIES

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Playing Badmitton and Volleyball & Dancing & Travelling

**Declaration :** I hereby declare that all the details furnished above are true to the best of my knowledge and belief.