

HARSH SINGH

Pune
Web Developer



Education

D Y Patil College of Engineering

Bachelor Of Engineering in Electronics And Telecommunications, 8.32

Jul 2022

Pune

Macro Vision Academy

PCM

May 2018

Burhanpur

Projects

Markdown Blog - Link |

Aug 2021

- Tech used: Ejs, Node.js, Express.js, MongoDB
- Designed a Blog Website with **Create, Update, Delete and Read** functionalities
- Enabled the creation of new blog articles along with the use of DOMpurify that sanitizes HTML
- Utilized HTML, Bootstrap to have a friendly front-end and EJS to generate Web pages in response to URL requests

User Authentication API - Link |

Sep 2021

- Developed an Authentication API using Node.js, Express.js and JWT (jsonwebtoken).
- Used MongoDB database to store the user information
- Utilized Bcryptjs to Hash passwords before storing them in database
- Deployed authentication using JWT upon Login

Store Locator Application - Link |

Sep 2021

- Designed and developed a Web application back-end using Nodejs, Expressjs, and MongoDB database
- Added feature for user to Add a store and locate it on map
- Enabled the creation of stores on map using MAPBOX API
- Utilized HTML, CSS and Bootstrap to have a user-friendly front-end

Postmaster : Postman API Clone - Link |

Aug 2021

- Tech used: VanillaJS, Bootstrap
- Using HTTP methods(GET and POST), Postmaster can fetch data converting the API into code in JSON format

Technical Skills

Languages : Javascript, Python, HTML/CSS, SQL, MongoDB

Developer Tools : VS Code, Github, Postman, Jupyter Notebook, Pycharm, Proteus

Frameworks : ExpressJS, Bootstrap, NodeJS

Familiar With : Machine Learning, Artificial Intelligence, ReactJS ,IoT

Position Of Responsibility

Team Lead

College Technical Club

Project Undertaken : IoT based Garden Monitoring System

May - Jun 2021

- Started with an idea of eliminating the work and time in fields and thus managing a team of five, built a system to measure the favourable conditions for garden and monitor them using an IoT device.
- Used ThingSpeak Cloud for retrieval of data received from ESP8266 WiFi Module.
- Using the Cloud's data, monitored them on mobile device using Blynk App.

Project Undertaken : VR Telepresence Model

Sep - Present

- Working with a team of four to make a VR Telepresence Model which will use concepts of Virtual Reality, Raspberry-Pi, Arduino and Robotics.

Area Of Interest

- **Technical :** Learn and gain skills in both Back and Front-end Development, Machine Learning, ReactJS Framework
- **Non-Technical :** Football(nationalist), Console Games, Photography