



# Omkar Masur

Student at Manipal Institute of Technology, MAHE

Strong in design and integration with intuitive problem-solving skills. Proficient in Programming Languages like Python, JavaScript, C, C++ and Java. Passionate about implementing and launching new projects. Looking to start a career as an entry-level software engineer with a reputed company, driven by technology.

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## EDUCATION

### BTech Computer Science and Engineering

Manipal Institute of Technology, Manipal Academy of Higher Education

07/2018 - 05/2022

CGPA: 9.33 (Till 4th Semester)

Courses

- Opted for BTech Honors which is offered to students with CGPA of 8.5+ at the end of 4th semester

### 11th Standard & 12th Standard

Ramnarain Ruia Junior College

2016 - 2018

12th Board Percentage: 90

Extra Courses

- Vocational Course: Electronics

### School

Balmohan Vidyamandir English Medium

2005 - 2016

10th Board Percentage: 94

## PROJECTS

MaskIT - Remote Monitoring Platform for Covid-19 (03/2020 - 07/2020)

- Developed a Platform for Remote Monitoring of patients and people in general for **Manipal Covid Challenge organized by MAHE**.
- It was a website where **staff members of a particular organization could login, and see the feed of an IP Camera**.
- The feed would **identify human faces, and also detect whether the person has worn a mask or not**.
- **Technologies used: Django Web Framework, TensorFlow, Keras.**

Simple Home Automation Website (12/2019)

- Developed a Simple Home automation site using the **Django Web Framework and Bolt IoT WiFi Module**
- User has to register his WiFi module into the site, and then he can control **3 devices connected to the module**
- **Website will tell you the status of the device, for example for the LED bulb, whether it is On or Off**

## WORK EXPERIENCE

### Full Stack Developer

Epi-Smart

07/2020 - Present

*Epi-Smart is a startup started by students of MIT Manipal. Epi-Smart is a platform which connects hyperlocal shops and consumers so that consumers can order from local shops using the platform*

Achievements/Tasks

- Responsible for developing the website for the company.
- **Features of the website: Choose a shop to place an order from; Choose items offered by the shop to buy; Place the order, and choose to deliver it at home, or pick up from the shop, email to notify the shop that an order has been placed. Admin panel for the shop to control the status of the order.**
- **Technologies used: Django Web Framework, ReactJs.**

Website: <https://epismart.co.in>

## AWARDS

Certificate of Appreciation for Securing 9.5+ GPA in Second Semester

Manipal Institute of Technology

Certificate of Merit for Maths Competitive Exams Pravinya and Pradnya

Ganit Adhyapak Mandal

- Pravinya-Pradnya is a state level Maths Competitive Exam for students in 8th Grade

4th Standard and 7th Standard Scholarship with Mumbai rank of 21 in Each

State Government

- Scholarship Exam is a competitive exam held by State government

## SKILLS

Django Web Framework

Python

JavaScript

C++

C

Java

ReactJS

MySQL

Oracle Database

HTML

CSS

## PROJECTS

### Hopeless Opus Game (12/2019 - Present)

- Developed the website for the event called '**Hopeless Opus**' under the category called **Acumen in TechTatva'19** which is the annual technical festival of **Manipal Institute of Technology**.
- Hopeless Opus is a story-based game, where the user is supposed to answer several questions. **The answers he chooses decides the path on which he is heading in the story.**
- Between two story-based questions, a user is supposed to answer a few aptitude questions. **The number of aptitude questions depends on the choice he made in the previous story-based question.**
- In case the user is stuck on a particular question, he can take hints from a **Chatbot**. The Chatbot is developed using **DialogFlow**.
- **Technologies used: Django Web Framework, HTML, CSS, JavaScript.**

### ISTE Website (05/2020 - Present)

- Developed the Website, both **frontend and backend** for my club ISTE Manipal.
- The **frontend** was developed using **HTML, CSS and JavaScript**.
- The **Backend** was developed using the **Django Web Framework, which includes the API for the app.**
- The API for the App has features like **Token-based authentication, user registration, viewing active events at ISTE, submitting responses to interview questions, etc.**

## EXTRA-CURRICULAR ACTIVITIES

### Executive Board Member/ Treasurer | ISTE Manipal (05/2020 - Present)

*Responsible for initiating and completing multiple Projects for the club such as Research portal, Alumni Network, etc. and for supervising a group of multiple Management Committee Members*

### Management Committee Member | ISTE Manipal (08/2019 - 05/2020)

*Responsible for the managing various events and workshops for the club, developed the main website of ISTE Manipal, including the backend for the same and Organized several workshops and events such as 'Unlockathon'.*

### Event Organiser | Acumen | Hopeless Opus | TechTatva'19 (08/2019 - 10/2019)

*Responsible for organising the event Hopeless Opus*

### Part of MIT Cricket Team

*Won the Inter-MAHE Cricket Tournament*

### Winner of Intra-College Science Quiz

*Part of Team of two to win the Science Quiz at Ruia College (11th-12th)*

### Part of Zonal Cricket Team

*Played in Kalpesh Koli Cricket Tournament*

## CERTIFICATIONS

### Neural Networks and Deep Learning

*deeplearning.ai*

### Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

*deeplearning.ai*

### Structuring Machine Learning Projects

*deeplearning.ai*

### Convolutional Neural Networks

*deeplearning.ai*

### Data Analysis with Python

*IBM*

### Python Data Structures

*University of Michigan*

### Introduction to HTML5

*University of Michigan*

### Introduction to CSS3

*University of Michigan*