

# Pratyush Desai

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## EDUCATION

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K J Somaiya College of Engineering, Mumbai, India	Aug 2020 – May 2024
Bachelor of Technology – Information Technology	CGPA: 9.295/10.00
A.A.V.P.C Jr. College, Mumbai, India	June 2018 – July 2020
12 <sup>th</sup> Standard HSC Board Examination	78.62%
Bombay Cambridge International School, Mumbai, India	June 2006 – May 2018
10 <sup>th</sup> Standard IGCSE Board Examination	83%

## TECHNICAL SKILLS

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<b>Programming Languages:</b>	Python, C, C++, JAVA, HTML, CSS, PHP
<b>Databases:</b>	MySQL
<b>Skills:</b>	Machine Learning/Deep Learning, UI/UX Development, Git, Mobile App Development, Data Analysis, Full Stack web development
<b>Libraries/Frameworks:</b>	Django, TensorFlow, NumPy, Matplotlib, Flask, Pandas, Sklearn
<b>Softwares/OS:</b>	MS-Word, MS-Excel, MS-PowerPoint

## EXPERIENCE

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**Machine Learning intern at Fine Organics Industries Limited** Sept 2021 – Feb 2022

- Designed a Sales Forecasting model using Time Series Forecasting according to company's needs
- Designed a basic website to deploy the model
- Delivered the website with model deployed on it

### The Marine Robotics Team, KJSCE

#### Software Team

Apr 2021 – Jun 2021

- Learned and worked with Robot Operating System on our robot Scraped the 'URLs' of websites and displayed the output of the common words

#### Marketing Team

Jun 2021 – Jun 2022

- Looked for sponsorships for our team by contacting several MNCs and Startups around India.
- Increased PR of our team using social media

### Web Developer Intern at KJSCE

Jun 2021 – Oct 2021

- Worked on the backend using Django
- Used many different python libraries to check status of a website.
- A single URL could be entered or a list of URLs using a CSV file.

## PROJECTS

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### Live Options Viewing webapp

July 2023 – July 2023

A webapp that uses Java to generate live random data from a dense dataset every 30 seconds that generates data for 4 different stock options. This data is received using socket at the Django middleware, here necessary calculations are made and the important data is sent to the frontend in ReactJS, here the data is displayed in a clean UI, filtered and sorted according to the user needs.

### Oversight- One Stop Solution for Your Engineering Problems

Feb 2023 - Apr 2023

Oversight aims to simplify the academic journey for students by providing a seamless and comprehensive platform. It is a webapp integrated with ChatGPT API and has ML models running in the backend

### Body Fat Calculator

June 2022 – June 2022

A mobile application developed using JAVA and deployed on Samsung Galaxy Store that helps user find its bodyfat percentage and the category of fitness in which he/she falls. Downloaded in over 40 countries. This application is available on Samsung Galaxy Store and Amazon App Store.

### **Sales Forecasting using Predictive Analysis**

Sept 2021-Feb 2022

- Designed a Sales Forecasting model using Time Series Forecasting according to company's needs
- Designed a basic website to deploy the model
- Delivered the website with model deployed on it

### **Graph Plotter**

May 2021 - May 2021

Python based project wherein user can plot different graphs by inserting values using different methods like inputting it manually/uploading csv/text file. Also a option of speech to select graph etc and option of speak aloud for all instructions.

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## **RESEARCH**

- **A Comparative Analysis of models for Dark Web Classification**

June 2023 – Aug 2023

*Prof. Ashwini Dalvi, Anant Shah, Pratyush Desai, Rohan Chavan*

**IJCACI 2023** [Accepted but not published yet]

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## **COURSES**

- Python
- C/C++
- Data Structures and Algorithms
- Django, Flask
- PostgreSQL
- Web programming: HTML, CSS, JavaScript
- Google Cloud Skill Badges (22 Completion Badges & 12 Skill Badges)