

# PRANAV RAM PS

Python / Django developer

[bs23b012@smail.iitm.ac.in](mailto:bs23b012@smail.iitm.ac.in) | +91 8610173741 | Chennai, India

## LINKS

Github :

<https://github.com/pranavram2005>

## SKILLS

### PROGRAMMING

- Python
- Django
- React JS
- FastAPI REST Framework
- HTML / CSS
- PostgreSQL
- Scikit-Learn
- TensorFlow / Keras
- Numpy / Pandas
- Git / GitHub

### TECHNOLOGIES

- Backend Development
- Machine Learning
- Frontend Development
- Object Oriented Programming

## INTEREST

- Badminton
- Yoga
- Listening to Music

## PORs:

- Member in iGEM
- Volunteer in Shastra WebOps

## EXPERIENCE

### ● Python / Django Developer

- Developing full stack web apps using Django, FastAPI, React JS, and PostgreSQL.
- Building machine learning / deep learning models.
- Deploy machine learning models in Django web app.

## EDUCATION

### ● BS in Biological Science

July 2023 – Currently

Indian Institute of Technology Madras, India

## PORTFOLIO PROJECT

### ● Skull Fracture Detection

Built with: Python, Django, HTML, CSS, Bootstrap

Algorithms Used: YOLOv8, CNN.

Source code: [https://github.com/pranavram2005/Skull\\_Fracture](https://github.com/pranavram2005/Skull_Fracture)

- Skull detection using YOLOv8 Model helps in detecting the fractures in the skull and 3D reconstruction.

### ● Tumor Detection in Brain

Built with: Python, Django, HTML, CSS, Bootstrap

Algorithms Used: YOLOv8, CNN.

Source Code: [https://github.com/pranavram2005/Tumor\\_Detection\\_YOLOv8](https://github.com/pranavram2005/Tumor_Detection_YOLOv8)

- Tumor Detection using YOLOv8 and CNN comparing their accuracy.

### ● Online Rice Management

Built with: Python, Django, HTML, CSS, Bootstrap, JavaScript

Video Source : [https://www.youtube.com/watch?v=9YUD2\\_pMdD0&t=183s](https://www.youtube.com/watch?v=9YUD2_pMdD0&t=183s)

- Online Rice Management is a project which deals with building connections between farmers and consumers without the need of intermediates.

## Position Of Responsibilities

### ● iGEM

- Member in iGEM WebOps
- Developed Team Page for the iGEM wiki

### ● Shastra WebOps

- Volunteer in Shastra WebOps
- Worked in developing website for Rapid Chess
- Website: <https://rapidchess.shastra.org/>

## Competitions Participated

### ● Frontend Fiesta

- Developed a blogging website using React JS, HTML/CSS and Bootstrap. Connecting frontend with given API endpoint urls.
- Source Code: <https://github.com/pranavram2005/TECHSOC1>