

Pranjal Tale

Sophomore at Indian Institute of Technology, Roorkee

I have keen interest in Mathematics and Programming. My areas of interests in Mathematics include Big Data Analysis, Cryptography, Numerical Methods, I am very much passionate about Networking and Software Development.

I love cooking. Loves to play guitar and an avid Astrophotographer.

EDUCATION

IIT Roorkee, Roorkee — *Int. Msc in Applied Mathematics*

July 2015 - Present

Jawaharlal Nehru School, Bhopal — *Senior Secondary(CBSE)*

April 2015

PCM + Computer Science

TECHNICAL PROJECTS

IMG Website

I am currently working on IMG(Information Management Group) Website as a full stack developer Hosting its backend on django, frontend on materializecss and jquery. Also the same has several features like admin panel for individual, profile page, blogs section etc also the same tries to relate the alumni with each other and current team members.

Tech-Stack: Django, mysql, materializecss, jQuery, django-auth, Apache2.

Nobel — *Chat Application*

Nobel is an internal Chat Room for the members of IMG, Built on NodeJs using socket.io and Semantic-UI. It helps us to check for the presence of members in the lab and communicate with them at the same time.

Tech-Stack: Node-js, Express, Semantic-UI, pm2(for running node service), vanilla js, Socket.io.

Open Source

I have made complete login mechanism from scratch on both Django and PHP.

Also I am regularly contributing to Sympy(Symbolic manipulation library written in python) and Cadasta(platform for maintaining land rights).

ACADEMIC PROJECTS

A 3D analysis of Oxygen transfer for animal cell suspension culture

A 3D model was developed to study the flow field and oxygen transport in a micro bioreactor with rotating magnetic field at the bottom.

Here we are trying to solve the equations and verify the results numerically over finite difference method.

Position of Responsibility

Information Management Group, Roorkee—Hub Coordinator

January 2016 - PRESENT

IMG (Information Management Group) is a student's group in IIT Roorkee responsible for development and maintenance of internet and intranet applications in the institute, including the website of IIT Roorkee.

Students Affair Council — Member

July 2015 - April 2016

I have been the part of Alumni Relations Team of SAC (Students Affair Council) IIT Roorkee for the academic Year 2015–2016. Along with that we also help in planning and execution of Global Entrepreneur's Conclave for the First time in IIT Roorkee.

Program Management Section — Member

Aug 2015 - Present

Was selected by the Program management Section IIT Roorkee as a program manager. Program management section is a club under Cultural Council IITR and is responsible for the conduction and management of all the events of Cultural Council smoothly.

Cognizance IIT Roorkee — Branch Representative

July 2015 - April 2016

Cognizance IIT Roorkee is the Asia's second largest technical Festival Held in March every year I have been selected as a branch representative by Cognizance IIT Roorkee for the year 2015– ENGINEERING SKILLS

Programming Skills

Languages -

C/C++, Python, Bash, java(basic), Javascript, R, Matlab, Ruby

Web Development -

Django, NodeJs, HTML, CSS, jQuery, Materializecss, Sail.js, ROR, Semantic–UI

Contact

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