Pranjal Tale

Sophomore at Indian Institute of Technology, Roorkee

I have a keen interest in Mathematics and Programming. My areas of interests in Mathematics include Big Data Analysis, Cryptography, Numerical Methods along with that i am very much passionate about Networking and Software Development.
I love cooking.I am a thinker,philosopher,curious about new things, innovations and really would love to imply those in real life.

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, individual's profile, blogs etc.

Nobel — *Chat Application*
Nobel is an internal Chat Room for the members of IMG, Built on NodeJs,socket.io and Semantic–UI. It also helps us to check for the presence of members in the lab.

Open Source
I have made complete login mechanism from scratch on both Django and PHP providing all the validations, checks ,sessions and cookies.
Also i am regularly contributing to Sympy(Symbolic manipulation library written in python).

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 using Marker and Cell over

finite difference method.

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

Web Development –

Django, NodeJs, HTML, CSS, jQuery, Materializecss

Contact

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