Pranjal Tale

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
Int. MSc in Applied Mathematics
2015 - 2020 (expected)
Roorkee, India
Cum. GPA: 7.386

JAWAHARLAL-NEHRU SCHOOL
Senior Secondary(CBSE)
Grad. May 2015
Bhopal, India

LINKS

Github:// **pranjaltale16**
Portfolio:// **pranjaltale16**
LinkedIn:// **pranjal-tale**
Codechef:// **pranjaltale16**

COURSEWORK

COMPUTER RELATED
Mathematical Imaging Techniques
Database Management Systems
Linear Algebra
Design and Analysis of Algorithms
Data Structures

SKILLS

PROGRAMMING
Proficient:
Haskell, Python, C++
Experienced:
LaTeX PHP, CSS, Javascript

WEB
Django, Express, SNAP-framework

UTILITIES
Linux, GitLab, MySQL, Redis,
TensorFlow, scikit-learn

REFERENCES

DR. A. K. NAYAK
Associate Professor, Dept. of
Mathematics
Indian Institute of Technology
Roorkee
nayakfma@iitr.ac.in

EXPERIENCE

HACKERRANK | Software developer intern
May 2018 - July 2018 | Bangalore, India
- Extended Firepad to support collaborative editing for Monaco-editor.
- Developed a code evaluator which evaluates every submission in an isolated environment using container properties. The entire project is written in golang to get high concurrency for sync and evaluation.
- Tech-Stack: Docker, Golang, AWS-SQS, JavaScript, Firebase

VERNACULAR.AI | Software developer intern
Nov 2017 – Dec 2017 | Bangalore, India
- Developed a python package to parse text into structured data. It parses temporal expressions from different languages and recognize quantities described in different ways.
- Tech-Stack: Python, Django

CODEWORLD | Summer of Haskell 2017
May 2017 – Sep 2017 | Work from home
- Developed a standalone executable Cabal package for source code compilation wrapped over GHCJS; added test suite for the same and regex parser for filtering the error messages. Made a custom tree parser using haskell-src-exts and syb, to check for syntax errors before compilation.
- Tech-Stack: Haskell, Javascript, Shell scripting, SNAP-framework

SURA | Summer Undergraduate Research Award
May 2017 – Sep 2017 | IIT Roorkee
- Developed a model in MATLAB for 3D analysis of Oxygen transfer for animal cell suspension culture, mentored by Dr. Ameya K. Nayak. To study the flow field and oxygen transport in a micro bioreactor and extend the results for micro-scale.

TECHNICAL PROJECTS

SMP PORTAL | Information Management Group, IIT Roorkee
- Developed an app enabling information exchange, event announcement, documents sharing between mentors, mentees and team, aimed at fostering healthy interaction.
- Tech-Stack: Django, mysql, semantic-UI, jQuery, django-auth, Apache2.

NOBEL | Information Management Group, IIT Roorkee
- 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.
- Tech-Stack: Node-js, Express, Semantic-UI, pm2, vanilla js, Socket.io.

POSITION OF RESPONSIBILITY

CHIEF COORDINATOR | Information Management Group
Jan 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.

JOINT SECRETARY | Program Management Section
Aug 2016 – Present
- Program management section is a cultural club under Cultural Council IITR, and is responsible for the management of all the events of Cultural Council .