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

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, git

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, git

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.

ACADEMIC PROJECTS

SUMMER UNDERGRADUATE RESEARCH AWARD | IIT ROORKEE
- Developed a model in MATLAB for analysis of O2 transfer for animal cell suspension culture, mentored by Dr. A. K. Nayak. Studied oxygen transport in a micro bioreactor and extend the results for micro-scale.

ACHIEVEMENTS

2017   Recipient of Summer Undergraduate Research Award (SURA) by IITR
2017   Participated in HackDTU and successfully completed the app in 24 hours
2016   Successfully completed an app overnight as a part of Code.Fun.Do 17
2016   Qualified of Elimination round of Codechef SnackDown-2016

POSITION OF RESPONSIBILITY

PROJECT LEADER | 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 .