



# Rohith Raj R

Ardent Learner | Passionate & Creative Engineer

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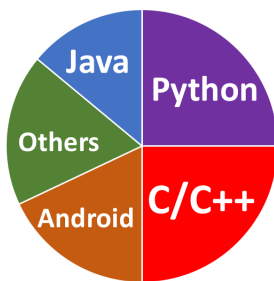
## Github

github.com/virtualvector

## ResearchGate

bit.ly/rohith\_research

## Programming



## Data Science

SciPy ★★★★★  
Sk-learn ★★★★★  
matplotlib ★★★★★

## Frameworks

- MySQL,  $\text{\LaTeX}$
- GIT, vim
- Slack, OpenGL

## Internships

- 13 Months **Research Associate - CAAMS**  
At the Center for Applied Mathematical Modeling and Simulation (CAMMS), I am involved in Exploration of various Data Science and Machine Learning methods. Primarily focusing on developing inquisitive studies for the optimization and application of mathematical models.
- 3 Months **Software Developer - Aroundz Pvt Ltd**  
Developed a Model for Content Moderation using Natural Language Processing techniques
- 1 Month **Data Scientist - Quiph**  
Worked with a team of four, to come up with a sophisticated algorithm (PULSE) to rate startups based on various parameters..
- Ongoing **Research Intern - CubeBio-AI**  
My work at cubeBioAI is primarily focused on Bio-Informatics. Handling data pertaining to clinicaltrials, proteins and drugs.

## Publications

Snehanshu Saha, Rohith Raj R, Aparna Basu  
**Knowledge discovery from data : Impact and opportunities in developing countries**  
*Accepted by Futures (The journal of policy, planning and futures studies)*

Rohith Raj R, Snehanshu Saha, Gajanan.V.Honnarav  
**Automated Classification of Quantum dots using an ensemble**  
*Preprint published in ResearchGate*  
DOI: 10.13140/RG.2.2.16119.52641

## Highlights

- Presented a novel approach in Data Scientific Applications in Astronomy: Advent and Opportunities at the **Indian Institute of Astrophysics (IIA)** on Founder's day 2017.
- Qualified to **Top 10** teams in inGenius 2k17, a **Intercollege Hackathon** in PESIT-BSC amongst 600+ participants. **Top 10 in MI-7** Competitive coding challenge, **Top 5 in Datathon** - A data munging competition.
- **TEDx (Speaker Curator)** - As the Speaker Curator, I am responsible for finding prospective Speakers, meeting them to Curate their Speech by helping them formulate their ideas.
- **IEEE Pesit (Joint Secretary)** - I have successfully organized over four workshops in python and Machine Learning, presented a discussion on ensemble learning at Py101 2016

## Personal Skills



## Languages

English ★★★★★  
Telgu ★★★★★  
Tamil ★★★★★  
Kannada ★★★★★  
Hindi ★★★★★

## MISC /Hobbies

- Harmonica
- Chess
- Sudoku, Kakuro
- Ambidextrous
- Avid Reader

## Education

- 2015 - 2019 **Bachelors of Engineering (B.E) in (CSE)** [PES Institute of Technology - BSC](#)  
**8.64 CGPA.** Distinction Holder in every semester.  
Main subjects: Data Structures, Data Mining, Operating Systems.
- 2013 - 2015 **Karnataka Board Pre university** [Deeksha center for learning PU.](#)  
**93.33%.** 99/100 in Computer Science.
- 2002 - 2013 **Graduated from High School (10 th Class) CBSE** [JSS Public School Malur](#)  
**10/10 CGPA.** Certificate of Excellence CBSE.

## Projects

- 02/17 - Now **Tree Induction : An exposition**  
*Rohith Raj R*  
A comprehensive analysis of various node split criteria- Gini,Entropy and it's effect on constructing trees in RandomForests. Debunking the blind trust on Accuracies for model evaluation
- 11/17 - Now **Startup PULSE**  
*Rohith Raj R & Team ,*  
Developed a sophisticated algorithm to rate startups; currently **used by hundreds of investors across bangalore.**
- 05/17 - Now **Android App Potpourri**  
*(published in google-play)*
  - **PES Food**- Interactive digital menu application for PES FoodCourt.
  - **UpNote** - Effective note taking application. Notes in your notification
  - **Membrain**- Brain training application (under development).
- 02/17 - Now **Anroid Corner**  
*(Not published)*
  - **Flutter bird**- Flutter Bird is an Android game in "Flappy Bird" Style.
  - **Chat for Life** - A group chat application using Real Time Database
- 11/17 - Now **Advanced Recommender System**  
*Rohith Raj R, Dr.Snehanshu Saha ,*  
Explored and Implemented various Movie recommender systems- using Memory based and Model based collaborative filtering.

*Rohith Raj R*

*Curriculum Vitae*  
*10-02-19*