



# Rohith Raj R

Ardent data scientist | Machine Learning aficionado

## Experience

01/16 - Now **Research Associate - CAAMS**

At the Center for Applied Mathematical Modeling and Simulation (CAMMS), I am Exploration of various Data Science and Machine Learning methods. Primarily focusing on developing inquisitive studies for the optimization and application of mathematical models.

01/12 - 01/13 **Software Developer - Aroundz Pvt Ltd**

Worked on developing a social media application named Aroundz .Gained working knowledge of the general mobile landscape, architectures, trends, and emerging Android technologies.

12/09 - 06/09 **Data Scientist - Quiph**

Working with a team of four, to come up with a sophisticated algorithm (PULSE) to rate startups based on various parameters..

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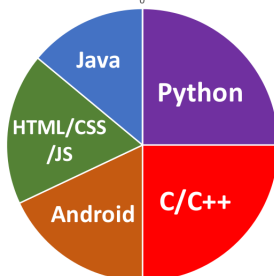
### Github

github.com/virtualvector

### ResearchGate

github.com/neoben

### Programming



### Data Science

SciPy ★★★★★  
Sk-learn ★★★★★  
Spark ★★★★★  
PuLP ★★★★★  
matplotlib ★★★★★  
Seaborn ★★★★★

### Frameworks

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

## 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.Honnnavar

**Automated Classification of Quantum dots using an ensemble**

*Preprint published in ResearchGate*

## 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. Implemented a convolutional neural network for Style Transfer
- **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
- **Top 10 in MI-7** - Finished within top 10 out of 80 teams in a competitive coding challenge. Finished within **Top 5 in Datathon** - A data munging competition.

## Personal Skills



## Languages

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

## MISC /Hobbies

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

## Education

- 2015 - 2019 **Bachelors of Engineering (B.E) in (CSE)** [PES Institute of Technology - BSC](#)  
**8.7 CGPA.** Distinction Holder in every semester.  
Main subjects: Network Applications, Systems Architecture and Security, Mobile Applications, Multimedia Information Processing.
- 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

- 02/13 - Now **Advanced Recommender System**  
*Rohith Raj R, Dr.Snehanshu Saha ,*  
Implemented an Advanced Movie recommender system using Memory based and Model based collaborative filtering. Used SVD for matrix factorization, regularization to prevent over-fitting.
- 02/13 - Now **Flutter Bird**  
*Rohith Raj R*  
Flutter Bird is an Android game in "Flappy Bird" Style. Since Nguyen Ha Dong, the developer of "Flappy Bird", announced the end of his loved game I developed an alternative to fulfill the addiction.
- 02/13 - 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).
- 02/13 - Now **QuantumDot Classification**  
*Rohith Raj R, Gajanan.V.Honavar, Dr.Snehanshu Saha ,*  
presented an ensemble machine classification method (Random Forest) and applied it for the first time to discriminate two crystal classes of two different quantum dots.
- 02/13 - Now **Software Engineer**  
*Design and development of algorithms ,*  
solutions and high speed mobility schemes for Wireless Mesh Networks. Design and development of embedded software for Wireless Network devices.

*Rohith Raj R*