

# Ramnath Kumar

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## EDUCATION

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### **BITS Pilani, Hyderabad Campus**

*Masters of Science in Economics*

Hyderabad, India

*Jul 2016 – Present*

- . Topic: Machine Learning in P2P Lending
- . Research Supervisor: Prof. Hussain Yaganti
- . GPA in Major Subjects: 8.39/10.0 (Top 20 in class of 40)

### **BITS Pilani, Hyderabad Campus**

*Bachelor of Engineering in Computer Science*

Hyderabad, India

*Jul 2016 – Present*

- . Achieved overall distinction in Computer Science courses
- . Topic: Temporal Dynamics and Spatial Content in IoT malware detection
- . Research Supervisor: Prof. Geethakumari
- . GPA in Major Subjects: 9.55/10.0 (Top 5 in class of 255)

## RESEARCH/WORK EXPERIENCE

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### **Amazon ML**

*Applied Scientist Intern*

Bangalore, India

*Jan 2021 – Present*

- . Mentor: Dr. Gokul Swamy
- . Topic: Causal frameworks, and confounding bias.

### **Mila - Quebec Artificial Intelligence Institute**

*Research Intern*

Montreal, Canada

*Dec 2020 – Present*

- . Research Supervisor: Prof. Samira E. Kahou
- . Affiliated University: École de technologie supérieure
- . Topic: Few Shot Learning and Theoretical Machine Learning

### **Qubole**

*Engineer Intern*

Bangalore, India

*Jul 2020 – Dec 2020*

- . Mentor: Gururaj Krishnamurthy
- . Worked on automating the rollout process (*Frost 2.0*) for the company
- . Built a package for monitoring jobs on jenkins, and notify the user on slack upon completion
- . Wrote and managed a pipeline which analyses various internal tests, and generates ad statistics and communicated results with the core-qa team

### **CoCo Lab, Université de Montréal**

*Research Intern*

Montreal, Canada

*Jun 2020 – Nov 2020*

- . Research Supervisor: Prof. Karim Jerbi
- . Topic: Brain based subject identification using EEG data

### **Kno.e.sis, Wright State University**

*Research Intern*

Dayton, USA

*May 2019 – August 2019*

- . Research Supervisor: Prof. Amit P. Sheth and Prof. T.K. Prasad
- . Topic: eDarkFind: Unsupervised Multi-View Learning for Sybil account detection
- . Worked on object detection models for disaster management
- . Built an image segmentation model to aide prediction of nutritional data of food

### **Infibeam**

*Engineer Intern*

Ahmedabad, India

*May 2018 – July 2018*

- . Mentor: Paras Pitroda
- . Developed a dynamic portal for UAE to provide various services such as renew visa, employment letter, etc
- . Created API endpoints for the project, to aide easy app deployment

## SELECTED AWARDS/ACHIEVEMENTS

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|-----------------------------------------------------------------------------------------------------------------------------|------|
| <b>Invitee</b> , Google AI Summer school, India                                                                             | 2020 |
| <b>Travel Grant</b> , The Web Conference, Taipei (Acceptance Rate: 19%)                                                     | 2020 |
| <b>Awardee</b> , Innovation in Science Pursuit for Inspired Research (INSPIRE) (Acceptance Rate: 1%) (Declined)             | 2016 |
| <b>Awardee</b> , National talent search Examination (Acceptance Rate: 0.5%)                                                 | 2014 |
| <b>National Olympiad</b> , SOF National Science Olympiad Qualifier (2015), SOF International Math Olympiad Qualifier (2015) |      |

## PUBLICATIONS

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- [1] Ramnath Kumar, Shweta Yadav, Raminta Daniulaityte, Francois Lamy, Krishnaprasad Thirunarayan, Usha Lokala, and Amit Sheth. “eDarkFind: Unsupervised Multi-view Learning for Sybil Account Detection”. In: *Proceedings of The Web Conference 2020*. 2020, pp. 1955–1965.
- [2] Ramnath Kumar and G Geethakumari. “Temporal Dynamics and Spatial Content in IoT Malware detection”. In: *TENCON 2019-2019 IEEE Region 10 Conference (TENCON)*. IEEE. 2019, pp. 1590–1595.

## LANGUAGES

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English (Native/Fluent), Hindi (Experienced), Tamil (Experienced), Japanese (Beginner)