Ramya Bygari

ramyabygari239@gmail.com | github.com/ramyabygari

Education

National Institute of Technology Karnataka, Surathkal — Surathkal, India
Bachelor of Technology in Computer Science; GPA : *July 2020*

Experience

Razorpay — Aug 2020 - Present
Data Scientist | Badri Vasudevan, Birendra Sahu — *Bangalore, India*
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University Of Cambridge, United Kingdom — Oct 2021 - Present
Research Collaborator | Dr. Andreas Bender — *Remote*
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PathCheck, MIT Media Lab SpinOff — Aug 2021 - Present
Research Collaborator | Dr. Ramesh Raskar — *Remote*
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Adobe Systems India — May 2019 - July 2019
Product Intern — *Bangalore, India*
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Chennai Mathematical Institute — May 2018 - July 2018
Research Intern | Dr. Prajakta Nimborkar — *Chennai, India*
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Selected Projects

Merchants - Payments Prediction — Dec 2020 - Feb 2021
Badri Vasudevan, Nikhil Singh — *Razorpay*
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Breast Cancer Treatment Planning — Jan 2019 - Oct 2020
Dr. Jeny Rajan | Project Link — *National Institute of Technology Karnataka*
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Diabetic Retinopathy Detection — Jan 2020 - Aug 2020
Dr. K Chandrasekaran | Project Link — *National Institute of Technology Karnataka*
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Prostate Cancer Grade Classification — June 2021 - Present
Dr. Shashidhar G Koolagudi | Project Link — *National Institute of Technology Karnataka*
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Automatic Music Generation — Jan 2019 - July 2019
Dr. Shashidhar G Koolagudi | Project Link — *National Institute of Technology Karnataka*
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Implementation of ECN+ for ns3 — Oct 2018 - July 2019
Dr. Mohit P Tahiliani | Project Link — *National Institute of Technology Karnataka*
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Social Sale : Ecommerce among college students   Jan 2018 - July 2018
Dr. M. Venkatesan | Project Link   *National Institute of Technology Karnataka*
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Intelligent Parking System Management   Jan 2018 - July 2018
Dr. K Chandrasekaran | Project Link   *National Institute of Technology Karnataka*
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Patent and Publications

- **An AI-powered Smart Routing Solution for Payment Systems | Conference Paper**
  Ramya Bygari, Aayush Gupta, Shashwat Raghuvanshi, Aakanksha Bapna, Birendra Sahu
  Accepted at IEEE Big Data Conference 2021 | Paper

- **Blindness (Diabetic Retinopathy) Severity Scale Detection | Conference Paper**
  Ramya Bygari, Rachita Naik, Uday Kumar P
  Accepted at 8th International Conference on Software Defined Systems (SDS-2021) | Paper

- **Prostate Cancer Grading using Multistage Deep Neural Networks | Conference Paper**
  Ramya Bygari, Rithesh K, Sateesh Ambesange, Shashidhar G Koolagudi
  Accepted at 3rd International Conference on Machine Learning, Image Processing, Network Security and
  Data Sciences (MIND-2021) | Paper

- **Automated Molecular Subtyping of Breast Carcinoma using LadderNet Architecture | Journal**
  S Niyas, **Ramya Bygari**, Rachita Naik, Bhavishya Viswanath, Tojo Mathew, Jyoti R Kini and Jeny Rajan
  Under revision at IEEE Journal Of Translational Engineering in Health and Medicine (IEEE-JTEHM) | Paper

- **An AI-powered Smart Routing Solution for Payment Systems | Patent**
  Ramya Bygari, Aayush Gupta, Shashwat Raghuvanshi, Aakanksha Bapna, Birendra Sahu
  Accepted at IEEE Big Data Conference 2021 | Paper

Leadership / Extracurricular

- **Speaker at ODSC APAC 2021**
  Delivered a webinar on the Razorpay's ML Smart Routing architecture and its capabilities.

- **Volunteer at Winvinaya Foundation (Indian NGO)**
  Teaching coding (JAVA and SQL) to PWD's, economically disadvantaged, nurturing their communication skills and
  assisting them to tackle interviews effectively.

- **Remote Volunteer at AI For Social Good, UK**
  Working with the climate misinformation team, combating the spread of misnformation by classifying trusted sources.

- **Workshop coordinator at Grace Hopper Conference (GHC)**
  Conducted a workshop on MLOps to illustrate the importance of orchestrating ML pipelines.

- **Mentor at GHC 2021**
  Mentored 100+ students and helped them make their first open source contributions. (Project : Hyperledger).

- **Core Placement Coordinator, NITK**
  As a part of the core team, conducted recruitment drives for over 250 companies at NITK.

- **Event Organizer at Smart India Hackathon (SIH) 2019, NITK**
  Coordinated with over 300 people from all over the country and helped conduct SIH, India's biggest hackathon.