



# MOHAMMED RIFAS S

- Creative and solution-oriented Computer Science student with a curiosity to learn, question and experiment.
- Adept at motivating self and others.
- Passionate about Back-end Development and Computer Vision and solve problems in a creative and effective manner at a challenging position.

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## SKILLS

### INTERMEDIATE

- Django
- Git
- Python
- Java
- OpenCV
- API Development
- Bash Scripting
- Web Scraping (Scrapy, Selenium)
- AWS Server Management
- C Programming
- Linux (Ubuntu)
- HTML/CSS
- MySQL

### BEGINNER

- Spring
- Unit Testing – (Pytest, NoseTest)
- Laravel
- MERN Stack

## EDUCATION

**Bachelor of Engineering**  
**Computer Science Engineering**  
**CMR Institute of Technology**  
**2017 - Present**

- Overall GPA: 8.8

**Primary and High School**  
**Royale Concorde International**  
**School**

**2005 - 2017**

- CBSE - 12th: 88.8%
- CBSE - 10th: 9.6 CGPA

## RESEARCH AND PATENTS

### Research

- Study of Variation of Parameters on Classification of Melanoma (Unpublished)
- The Quantum Internet: Networking Challenges (In Progress)

### Patents

- Inventor in the product "Water Atomizer". Application Number: 201841048885, Year of Filing: 2018

## REFERENCES

**Mr. Prem Kumar Ramesh**

HOD, CSE Dept.,  
CMR Institute of Technology, Bangalore

**Mrs. Jhansi Rani**

Professor, CSE Dept.,  
CMR Institute of Technology, Bangalore

## WORK EXPERIENCE

### Associate Automation Engineer (API, Scraping)

**Across The Globe(ATG) | March 2019 - October 2019**

- Lead Software Tester, Intern
- Lead API Automation Developer, Intern
- Scraping Team, Intern
- Bash Developer, Intern
- Manager, Mantis Bug Tracker for ATG.
- Python and Bash Script Developer.

### Chief Technical Officer

**Gotyche Technology | 2018 - 2019**

- Product Innovator, Inventor
- Designed the product from scratch.
- Market research to identify most viable product (MVP).

## PROJECTS

### Smart India Hackathon, 2020

- Developed application for benefit of Students and Teachers.
- Tools and Frameworks - Django, Mongo Atlas Cluster, Tensorflow, Farm-Haystack, Elasticsearch, Kibana, Apachez, NGiNX, AWS EC2, Scrapy

### DST Texas Instruments, 2020

- Developing a Low Cost 3D Engraver/Printer
- Tools and Frameworks- Arduino, RaspberryPI, TI LaunchPad

### Custom Object Detection, 2020

- Personal Project to Learn Object Detection. Developed further to incorporate Vehicle Speed Detection.
- Tools and Frameworks - ReactJS, Tensorflow JS, IBM Watson, Django Rest Framework, OpenCV, OpenVINO

### Efkairies Quiz Platform, 2019

- Application developed for Placement Club to conduct Quizzes.
- Tools and Frameworks - Django, MongoDB, HTML5 CSS, Apache2, AWS EC2

### Personal Protection Equipment Detection, 2020

- Personal Project. Computer Vision Project to prevent accidents at factories.
- Tools and Frameworks - OpenCV, Django, HTML5 CSS, Apache2, AWS EC2

### Asset Management System, 2019

- Developed for CMRIT's Internal Asset Management, Mega Project
- Tools and Frameworks - Laravel, MySQL, PHP, Apache2, AWS EC2

### Damaged Bar-code Recovery, 2019

- Researched and tested various methods to recover damaged bar codes.
- CMRIT Research Project.
- Tools and Frameworks - Espresso, BDD, Python

### Smartphone Enabled Classroom, 2018

- Application to conduct quizzes in classroom hosted in the teacher's laptop.
- Tools and Frameworks - PHP, MySQL

### Fest Website, 2020

- Part of Development Team for Cultura'20, Inter-College Fest of CMRIT.
- Tools and Frameworks - React, Netlify, SQLite

### Gate Questions Scraper, 2020

- Developed Scraping Spider to collect Gate Questions, past 30 years.
- Tools and Frameworks - Scrapy, Python, MongoDB, Selenium

## COURSES

### Agile Software Development

Coursera, 2020

### Computer Vision - Object Tracking

Coursera, 2020

### Regression Analysis with YellowBrick

Coursera, 2020

### Computer Vision - Object Detection

Coursera, 2020

### Real Time Object Detection, YOLOv3

Coursera, 2020

### Building Scalable Java Micro-service with Spring Boot

Coursera, 2020

### Introduction To Deep Learning

Coursera, 2019

### Introduction to User Experience Design

Coursera, 2019

### Patent Drafting for Engineers and Scientist

NPTEL, 2018

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## VOLUNTEERING

### Patent Workshop

- Organiser
- Responsible of Certificates and Banners

### Teaching Assistant Program

- Helping Students learn their favourite Technology, organised by DSC CMRIT

### Kindergarten Annual Day Celebrations

- Helped Alma Mater Host Annual Day Celebrations for Kindergarten Students

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## HOBBIES

- Bike, Car Maintenance
- Sketching
- Electrical Projects

## ACHIEVEMENTS

### Smart India Hackathon, 2020

- Participated and Qualified for Finals
- National Level 36 hour Hackathon hosted by MHRD, India.

### DST Texas Instruments, 2020

- Ongoing national level project.
- Participated and qualified for semi finals.

### TYL Hackathons, 2019-2020

- Participated in TYL Java, TYL Full Stack, TYL Python and TYL ML hackathons, conducted at College Level.
- Awarded 2nd, 1st, 3rd and 2nd Respectively.

### Hult Prize, January 2020

- Participated and won Zonal (Karnataka). Competed against 200+ applicants.
- Offered to Pitch Idea in Beirut, Lebanon, for next round.

### FKCCI Manthan, 2019

- Awarded Runners up in Karnataka. Competed against 600+ applicants.
- Awarded a Sum of 90,000 INR.

### Moziety, Campus Clubs, 2019-2020

- Protect lead of student club.
- Club Captain Moziety. Hosted Several workshops and seminars being the Club Captain.
- Attended several seminars and workshops hosted by Mozilla and RedHat.
- Attended Developer Conference (DevConf'19) hosted in Christ University, Bangalore. Awarded as the most Joyful Lead.

### RedBull Innovation Challenge, 2019

- Participated in nation wide innovation submission and seeding process.
- Qualified to Semi Finals.

### National Aerospace Laboratories, Bangalore, 2019

- Developed and improved tool to predict flight delays due to weather.

### Elevate Karnataka, 2018

- Competed among 2000+ applicants and companies.
- Awarded a sum of 10 Lakh INR by Hon. IT & BT Minister, Karnataka, to start and proceed with our pitch under student innovations.
- Appreciated by Startup Karnataka for an innovative approach to water conservation.

### Design Thinking, (UIF), Stanford University, 2018

- Trained by seniors under University Innovation Fellows, Stanford and conducted several Design Thinking Workshops.

### Entrepreneurship, FKCCI, 2018-2019

- Trained by top entrepreneurs in Karnataka, organised by Federation Karnataka Chamber of Commerce and Industries, about Finance and Management.
- Attended several workshops and seminars on Financial and Management responsibilities of an entrepreneur.

### CMR Institute of Technology

- Conducted Workshops on Machine Learning and Web Scraping.
- Core Team Member, Developer Student Clubs
- Core Team, Efkairies
- Awarded in Orientation Program for Innovative Product, 2019, CMRIT
- Placement Coordinator, CSE Department

### Royale Concorde International School

- Rapporteur for a Mock Modern United Nations (RoMUN).
- Captain, House Cricket Team
- House Prefect
- Event Coordinator, Astra
- ISRD Board, London, National Level Certification.

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