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- Study of Variation of Parameters on Classification of Melanoma (Unpublished)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, Apache2, NGiNX, AWS EC2, Scrapy

DST Texas Instruments, 2020
- Developing a Low Cost 3D Engraver/Printer
- Tools and Frameworks- Arduino, RaspberryPI, TI LauchPad

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 Developement
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

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

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 Price, 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.

Mohammed Rifas S