Rahul Kurian Jacob

IIT Madras Online BSc 2nd year (Diploma) student

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EXPERIENCE

Forus Health Pvt. Ltd., Bengaluru — *Intern*

MAY 2021 - JULY 2021

Worked on analysing papers for Meta-analysis on Retinal Fundus Imaging in Psychiatric Conditions.

Built a dummy SQL Database for modelling

Created a python script to demo retinal segmentation using ML

EDUCATION

IIT Madras Online BSc Degree, Madras — *2nd Year (Diploma) Student*

JANUARY 2021 - PRESENT

School of Medical Science and Technology, IIT-KGP — *Master of Medical Science and Technology*

2st Year Student

SEPTEMBER 2020 - PRESENT

Studying this course with a focus on learning application of ML and Computer Vision techniques in the healthcare industry.

MINOR PROJECTS

ICH Segmentation Project — *A machine learning model for segmenting out ICH regions on a small Brain CT Scan dataset*

Created a machine learning model based on UNET. Goal was to replicate the findings of a research team who used the same dataset.

While the same accuracy could not be achieved, a lot about machine learning and the difficulties in training models was learned from this experience.

SKILLS

Python: Proficient in the basics of the language and working with libraries such as Numpy and Pandas.

C/C++: Proficient in the basics of the **language**.

AWARDS/CERTIFICATE

NPTEL Certificates: Software Engineering, AI Search Methods for Problem Solving.

Kaggle Certificates: Python, Intro to Machine Learning.

Certificate of Participation for Nitte Healthcare Innovation Hackathon.

LANGUAGES

English: Fully Proficient

INTERESTS

Python   Machine Learning   Blockchain Technologies   Healthcare   DevOps