

# Mohammed Rizin Vadakalathil

Deep Learning Engineer

Youngest Kaggle Competition Master (1st Rank in India / 42 in Global (0.02%))



[www.github.com/morizin](https://www.github.com/morizin)



[www.linkedin.com/in/mohammed-rizin-bb95b7127/](https://www.linkedin.com/in/mohammed-rizin-bb95b7127/)



Malappuram, Kerala, India



+91 9747598336



[mrizin2013@gmail.com](mailto:mrizin2013@gmail.com)



[www.kaggle.com/morizin](https://www.kaggle.com/morizin)

## Education

### **SMECLab Automation Training Institute**

04/2019 – 05/2019

Robotics , Electronics

### **Mubarak English School, Manjeri**

05/2018 – Present

High School

## Key Skills

Artificial Intelligence | Machine Learning | Deep Learning | Robotics | App Development | Web Development | Animation | PyTorch | TensorFlow | Python | C++ | C | Java | JavaScript | HTML | CSS | Kotlin | Flutter | Swift | C#

## Projects

### **Molecular Translation**

05/2021 – 05/2021

A Deep learning model which takes molecules image as input and translate it to obtain its chemical name.

### **Whatsapp/ Uber Clone**

05/2021 – 05/2021

Create an Application like Whatsapp with Java , Kotlin and Flutter Coded in each of them. AI Based Uber Clone.

### **Classifying each cell in to different classes among different cell**

04/2021 – 05/2021

A Deep Learning model which classify each cell in a couple of cell give.

Training data doesn't contain label for each cell in it. The labels of whole image were given. Unsupervised Deep learning helped to solve this.

### **Self Driving Car**

05/2020 – 11/2020

AI Drives a car in a car simulation by deep neural network.

Complete Deep learning. Eg: Motion Prediction, Detection segmentation. 3D Detection

### **Home Service Robot**

08/2021 – 09/2021

AI Robot which perform home activities. Like Cleaning, transporting, etc....

## Achievements & Awards

### **1<sup>st</sup> Place Winner in VinBigData Chest X-ray Abnormalities Detection**

12/2020 – 03/2021

Developing Object Detection model for 14 diseases from a given an X-ray. Resulting in 20000\$ prize money.

### **16<sup>th</sup> Place Winner in Human Protein Atlas: Single Cell Classification**

04/2021 – 05/2021

Given a group of cells in a single image (Label for the whole image) we were asked to classify each cell in the image. Resulting in a Silver Medal.

### **16<sup>th</sup> Place Winner in RANZCR CLiP and Catheter Line Classification**

04/2021 – 05/2021

Predict the probabilities of each class from given x-ray. We used Knowledge distillation for the final result. Resulting in a Silver medal.