

# Nikhil Ramesh

Ram Nivas, Pattambi Road, Perinthalmanna, Mallapuram, Kerala, India 679322

🌐 <https://nikku1234.github.io>  
🔑 nikku1234

✉ [nikhilramesh1234@gmail.com](mailto:nikhilramesh1234@gmail.com)  
☎ +91-9446588610

## EDUCATION

### PSG College of Technology

Bachelor of Technology in Information Technology, CGPA : 8.2/10.00

Coimbatore, Tamil Nadu

Jul '15–May '19

### Sree Valluvanad Vidya Bhavan, Malappuram

Higher Secondary Examination (CBSE), Percentage: 87.4/100

Kerala

2013-2015

## RESEARCH EXPERIENCE

### Research Intern, Indian Institute Of Science

Segmentation of Malignant Lesions in Digital Mammograms

Bangalore

Dec'18–Present

## ACADEMIC PROJECTS

### Classification of Normal vs Malignant Cells in White Blood Cancer

Dec'18–Present

- Classification of leukemic B-lymphoblast cells from normal B-lymphoid precursors from blood smear microscopic images.

### Template Protection Using Multimodal Biometrics

July–Dec'18

- A simple cancellable biometric filtering method is implemented to increase the security of the template.
- Using Iris and Fingerprint Images.

### Tumour Class Prediction using Radiology and Pathology Images

July–Aug'18

- Devised a workflow for automated interpretation of radiology and pathology images of brain tumours to aid in the detection of tumour subtype.
- Accomplishment: As a part of computational precision medicine challenge hosted by MICCAI.
- Model reported an accuracy of 0.75 against the unlabelled dataset. It secured third position in the contest.

### What Flower App (iOS)

June'18

- Developed an iOS app for detection of flowers in photos using Inception pre-trained model.

### Corporate Adroitness Gauging (CAG)

July – Dec'17

- Developed web application for ATG tires, to know the skill set of the person. The application obtains answers for certain queries and classifies the employees based on the score.

### Automatic Smart Speed Governor

Jan–Mar'16

- Proposed a cruise control system that adjusts the speed of the vehicle based on the information obtained by the sensors deployed on the road to resist the speed of the vehicle.
- Accomplishment: Selected as best project at a National Level Project Expo held at Coimbatore.

## SKILLS

### Programming Language

- Python, C++, Swift

### Languages

- English, Malayalam, Tamil

## AWARDS AND ACHIEVEMENTS

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- Attended the First Nepal Winter School in AI.(December 2018).
- Won 1st Prize in National Level Poster Presentation for the project Automatic Smart Speed Governor at KPR Institute of Technology. (March 2017).
- Won Gold Medal in International Informatics Olympiad
- Won Silver Medal in International Mathematics Olympiad