Nikhil Ramesh

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EDUCATION

PSG College of Technology   **Coimbatore, Tamil Nadu**
Bachelor of Technology in Information Technology,CGPA : 8.32/10.00   *Jul '15–May '19*

Sree Valluvanad Vidya Bhavan, Malappuram   **Kerala**
Higher Secondary Examination(CBSE),Percentage:87.4/100   *2013-2015*

RESEARCH EXPERIENCE

Independent Research
Detection of Micro-calcification in Digital Mammograms   *April'19-Present*

Research Intern, Indian Institute Of Science with Taurus Hard Soft Solutions   **Bangalore**
Segmentation of Malignant Lesions in Digital Mammograms   *Dec'18–April'19*

ACADEMIC PROJECTS

Simultaneous Localization and Mapping   *Oct'19-Present*
- To find an effective SLAM algorithm from the implementation of various SLAM algorithms.

Classification of Normal vs Malignant Cells in White Blood Cancer   *Dec'18-Mar'19*
- Classification of leukemic B-lymphoblast cells from normal B-lymphoid precursors from blood smear microscopic images.

Template Protection Using Multi-modal Bio-metrics   *July'18-Dec'18*
- A simple cancellable bio-metric filtering method is implemented to increase the security of the template.

Tumour Class Prediction using Radiology and Pathology Images   *July'18-Aug'18*
- Devised a workflow for automated interpretation of radiology and pathology images of brain tumours to aid in the detection of tumour sub-type.
- Accomplishment: As a part of computational precision medicine challenge hosted by MICCAI.
- Model reported an accuracy of 0.75 against the unlabelled dataset. 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'17 - 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'16-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.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

- 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(2015).
- Won Silver Medal in International Mathematics Olympiad(2015).