

Nikhil Ramesh

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EDUCATION

PSG College of Technology

Bachelor of Technology in Information Technology, CGPA : 8.32/10.00

Coimbatore, Tamil Nadu

Jul '15–May '19

Sree Valluvanad Vidya Bhavan, Malappuram

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

Kerala

2013-2015

WORK EXPERIENCE

Software Engineer, Taurus Hard Soft Solutions

Jan'20–Present

- Created and Deployed a web application for Nomination Platform.
- Developed an application to automatically install deep learning frameworks.
- Developed a web application to enable dynamic time table scheduling for educational institutions.

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

PUBLICATIONS

Deeply Supervised U-net for Mass Segmentation in Digital Mammograms

International Journal of Imaging Systems and Technology

Wiley

06 November 2020

Combined Radiology and Pathology Based Classification of Tumor Types

Studies in Computational Intelligence

Springer

13 September 2020

ACADEMIC PROJECTS

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.

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++,Html,JavaScript,PHP,Swift

Languages

- English,Malayalam,Tamil

AWARDS AND ACHIEVEMENTS

- Attended the Neuromatch Academy in AI.(July 2020).
- 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).