Nikhil Ramesh

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EDUCATION

University at Buffalo	**New York, USA**
Master's in Computer Science and Engineering	*Feb '21–Present*
PSG College of Technology	**Tamil Nadu, India**
Bachelor of Technology in Information Technology,CGPA : 8.32/10.00	*Jul '15–May '19*
Sree Valluvanad Vidya Bhavan, Malappuram	**Kerala,India**
Higher Secondary Examination(CBSE),Percentage:87.4/100	*2013-2015*

WORK EXPERIENCE

Software Engineer, Taurus Hard Soft Solutions   *Jan'20-Dec'20*

- 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-Jan'20*

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	**Wiley**
International Journal of Imaging Systems and Technology	*06 November 2020*
Combined Radiology and Pathology Based Classification of Tumor Types	**Springer**
Studies in Computational Intelligence	*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).