

Nikhil Ramesh - 151330

IT Undergrad @PSG Tech

Machine Learning Enthusiast; Broadly curious in applying ML models for real time application.

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Career Objective

A challenging and stimulating pursuit in a reputed organization, where I can best utilize my skills and strengths to accomplish the organization's goals and objectives and at the same time get an opportunity to expand my own knowledge base.

Education

2015-present	Bachelor of Technology, Information Technology PSG College of Technology, Coimbatore	8.14/10
2014-2015	Higher Secondary Examination(CBSE) Sree Valluvanad Vidya Bhavan, Malappuram, Kerala	87.4%
2012-2013	Secondary Examination (CBSE) St. Joseph's English Medium School, Kerala	9.8/10

Competencies and Interests

- iOS App Development
- Machine Learning
- Image Processing
- Self-learning

Projects

July-Present	Template Protection Using Multimodal Biometrics A simple cancellable biometric filtering method is implemented to increase the security of the template. Used Random convolution kernel for encryption of multimodal biometric template.	In Progress
July-Aug'18	Tumour Class Prediction using Radiology and Pathology Images 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.	Submitted to CPM, MICCAI
June'18	What Flower App (iOS) Developed an iOS app for detection of flowers in photos using Inception pre trained model.	Independent Project
July - Dec'17	Corporate Adroitness Gauging(CAG) 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.	Industry Project
Jan-Mar'16	Automatic Smart Speed Governor 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.	Group Project

Personal Advancement and Training

May'18	Worked on Containerisation of Docker Images. Pursuing Machine Learning by Andrew Ng with Stanford University (ongoing). Pursuing iOS 11 App Development by London App Brewery (ongoing).
Jan'18	Attended Kaizen IoT Workshop certified by Lema Labs Technologies Pvt Ltd and IIT Madras Alumni Association .

Skills

 C++	 Python(Intermediate)	 Java(Basics)	 Swift(Intermediate)
 HTML	 PySpark(Basics)		

Additional Information

2017	Won 1st Prize in National Level Poster Presentation for the project Automatic Smart Speed Governor at KPR institute of Technology. (March 2017).
2015	Won Gold Medal in International Informatics Olympiad
2015	Won Silver Medal in International Mathematics Olympiad