



Sreedhanya.S.Pillai

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PROFILE SUMMARY

- Computer Science Postgraduate offering basic technical knowledge in C, C++, HTML, .NET and Java
- Designed an application which predicted the fastest and clear route for a driver using intelligence modeling of previous driver data
- Strong academic foundation; was department topper in 2012-13 during B.E. at Anna University, Tamil Nadu
- Received practical engineering skills through two in-plant trainings and workshops
- A skill to stay updated with the latest knowledge and technical information
- A highly motivated individual with a focus on detail; demonstrated ability to solve minor problems

Work Experience

Total Teaching Experience - 1 year

- Worked as an Assistant Professor for B.Sc. Computer Science in V.K. Menon College, Bhandup

ACADEMIC DETAILS

- M.E. Computer Science from Mumbai university with 85% marks in 2018
- B.E. (Computer Science) from Anna University, Tamil Nadu with 78.5% marks in 2014
- Diploma in Computer Hardware Maintenance Engineering from Government Polytechnic College, Attingal (Department of Technical Education) with 74% marks in 2011
- Class XIth from Government Higher Secondary School, Navaikulam (Kerala Board) with 78% marks in 2008
- Class Xth from Government Higher Secondary School, Navaikulam (Kerala Board) with 83% marks in 2006

IT SKILLS

- C, C++
- .NET
- JAVA
- Visual basic
- MS Office, Python

ACADEMIC PROJECT

PROJECT I

Course : Master of Engineering

Project Name : Automatic Image Annotation Using Modified Multi-label Dictionary Learning

Description : Developed an automatic image annotation technique using Mat-lab software for generating image annotation and semantic retrieving on same system. Hierarchical sparse coding method using for solving the problems facing on image annotation. This method overcomes the issues associated with the semi-supervised based approach by using sparse representation to maximizing the correlation between the data. The result will be multi-label set prediction of a query image and semantic retrieval of images. Experiment results using LabelMe datasets and Caltech datasets confirms the effectiveness of this method.

Duration : 2016-2017

PROJECT II

Course	: Bachelor of Engineering
Project Name	: Customized Route for Smart Driving using Driver's Intelligence
Duration	: 2 Months
Team Size	: 4
Description	: Developed a .NET application which generated the best route through a two-stage routing algorithm based on intelligence modeling of the physical feature of a route, time based traffic flow and the user's driving behavior. User's path was also logged using GPS to improve future route generation. Challenges included the low rate sampling problem and saving energy & communication loads.
Key Learnings	: .NET, GPS, HTML, DBMS

ACADEMIC ACCOLADES

- Published paper on **IJET** with paper title "**An automatic image annotation using modified Multi - label Dictionary Learning**", october2017
- Published paper on **IJAIS** with paper title "**An automatic brain tumor detection and segmentation using hybrid method**", January 6th 2017
- Presented seminar paper on "**An automatic brain tumor detection and segmentation using hybrid method**"
- Presented a paper on "**Customized Route for Smart Driving using Driver's Intelligence**" at KNSK College of Engineering, Nagercoil and received a certificate for the same
- Distinction of being the department topper in the year 2012-13 during B.E. at Anna University, Tamil Nadu

TRAININGS & WORKSHOPS

- Has attended three days workshop on "**Hands-On-Linux**" Organized by Datta Meghe College Of Engineering, Aioli in Jan 2016
- Has attended three days workshop on "**Network Security and Ethical Hacking**" Organized by Datta Meghe College Of Engineering, Aioli in September 2015
- Internship at SEEKOUT, Trivandrum from Feb'15 to Mar'15
Description: The internship was organized to cover the concepts of .NET
- In-Plant training at SEEKOUT, Trivandrum in Jan'14
Description: The training covered the concepts of web designing and development
- In-Plant training at Nest Cyber Campus, Trivandrum in Jun'13
Description: The training involved the basics of Visual Basic and Database Management. It also entailed practical expose to both with the help of live projects.
- Robotics Workshop by ROBOSAPIENS at IIT, New Delhi in Feb'12
Description: The workshop included the concepts of robotics & embedded programming and was accompanied by a PAN-India robotics competition called ROBO-OPUS

EXTRACURRICULAR ACTIVITIES

- Certified by the Kerala Hindi Prachar Samiti
- Won several prizes in cultural events
- Acted as the representative for the Red Ribbon Club

Date of Birth: 22nd May, 1990

Languages Known: Malayalam, English, Hindi and Tamil

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Navaikulam

Trivandrum

