

Akshay Krishnan

To build a career in Research, Development & Engineering in the field of Computer Science & Engineering



akshaykrishnan003@gmail.com ✉

+919400132807 📞

India 📍

linkedin.com/in/akshay-krishnan in

github.com/akshaykrishnan003 🌐

EDUCATION

Computer Science & Engineering College of Engineering Karunagappally

2020

7.11

Computer Science Govt. H S S Konni

2016

90%

Science Amrita H S S Konni

2014

98%

PROJECTS

Cervical Cell Classification and Detection of Cancerous Cell

- Cervical cancer is a malignant tumor that occurs when cervical tissue cells begin to grow and replicate abnormally without controlled cell division and cell death. Screening of cervical cancer tests the presence of malignant cells in cervical tissues. Detection of Cervical cancer in its initial stage assists it to be treated and avoided easily. The objective of this project is to develop an automatic cancerous cell detection system from cervical cell images. Now pathologist manually verifies that if a person has cancer or not but this process is very time-consuming. By using this project Cervical cancer screening can be done very swiftly and it can predict the cells accurately. The approach of computer-aided screening could be divided into four segments: Data enhancement, Feature extraction, Feature Selection, and Classification. For segmentation and Classification, both traditional machine learning, as well as deep learning techniques are applied.

Smart Illumination System with environment monitoring using Machine Learning

- The objective of this project is the monitoring of surrounding using Machine Learning and automatic brightness control of illumination system.

Renewable Energy (Industrial Workshop) & Industrial Visit (Funded Project of 1800 USD)

- The objective of this project was to conduct a Renewable Energy Workshop and Industrial Visit.

Byskt: A multi tenant Ecommerce Platform

INTERNATIONAL CONFERENCE ATTENDED

IEEE Energy Conversion Congress and Expo Baltimore, Maryland, USA

IEEE International conference on "Power Electronics, Smart Grid and Renewable Energy (PESGRE 2020) Kochi, Kerala

TECHNICAL / SOFT SKILLS

C/C++

Python

HTML & CSS

PHP

Keras, Django, Laravel (Framework)

Communication, Leadership, Problem Solving

SUBJECT OF INTERESTS

Object Oriented Programming

Machine Learning

EXPERIENCE

Head of Product Development, Zellab Dynamics Pvt. Ltd
6 months

IEEE Member (2016 - Present)

General Chair, 2020 IEEE International Power & Renewable Energy Conference (2019 - 2020)

Web Developer, IEEE PESGRE 2020

Chair, IEEE Student Branch College of Engineering Karunagappally (2019 - 2020)

Vice Chair, IEEE Student Branch College of Engineering Karunagappally (2018 - 2019)

Webmaster, IEEE IA/IE/PELS Jt. Chapter Kerala (2019 - 2020)

Webmaster, IEEE Student Branch College of Engineering Karunagappally (2016 - 2020)

Technical Coordinator, Auriga (2018 - 2019)
Technical Fest of College of Engineering Karunagappally

Web Design and Development Team Coordinator
IEEE PES Young Professionals Kerala

LANGUAGES

English

Full Professional Proficiency

Malayalam

Native or Bilingual Proficiency

AWARDS & ACHIEVEMENTS

IEEE IA/IE/PELS Jt. Chapter Kerala Outstanding Volunteer Award

First Prize, IEEE IAS CMD Global Web Contest