



Sanjay Santhosh

ASSISTANT PROFESSOR/COMPUTER ENGINEER

CONTACT INFORMATION

20/10/1998

MALE

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Nandhanam, kottarakara, kollam

Area of Specialization : AI in healthcare
AICTE-ID : 1-43383680522

PROFILE • ABOUT ME

I am currently working as an Assistant Professor in the Department of Computer Science and Engineering at LBS College of Engineering Kasaragod ,Kerala. I am currently pursuing a part-time Ph.D. at Amrita Vishwa Vidyapeetham, Amritapuri Campus, Kollam, Kerala

SUBJECTS TAUGHT

PROGRAMING IN C BTECH S1

DATA STRUCTURES BTECH S3

COMPUTER ORGANIZATION AND ARCHITECTURE
BTECH S4

SYSTEM SOFTWARE BTECH S5

WEB PROGRAMMING BTECH S7

MANAGEMENT OF SOFTWARE SYSTEMS BTECH S5

LINEAR ALGEBRA AND CALCULUS BTECH S3

CONSTITUTION OF INDIA BTECH S4

OBJECT ORIENTED PROGRAMMING USING C++ BTECH

EDUCATION

2020 - 2022

COLLEGE OF ENGINEERING PERUMON

MTECH (KTU)

SPECIALIZATION:COMPUTER AND INFORMATION
SCIENCE

CGPA: 9.74

2016 - 2020

COLLEGE OF ENGINEERING KARUNAGAPALLY

BTECH (KTU)

SPECIALIZATION:COMPUTER SCIENCE ENGINEERING
CGPA: 7.37

2014 - 2016

GOVT H.S.S PUTHOOR

PLUS TWO

SPECIALIZATION:COMPUTER SCIENCE
MARK % : 90%

2013 - 2014

GOVT H.S.S PUTHOOR

SSLC

SPECIALIZATION :SCIENCE
MARK % : 95%

WORK EXPERIENCE :4YEARS &2MONTHS

5-8-2026 - Now

L B S College of Engineering

Kasaragod district.

Assistant professor ,computer science Engineering

6-7-2026 - 4-8-2026

Christ College

Irinjalakuda of Thrissur District, Kerala.

Assistant professor ,computer science

16-1-2025 - 25-5-2026

Amrita Vishwa Vidyapeetham

Mysuru

Assistant professor ,computer science

1-7-2024 - 15-1-2025

Amrita Vishwa Vidyapeetham

Kollam,Amritapuri

Faculty Associate ,Computer Science Engineering

4-3-2024 - 30-6-2024

Amrita Vishwa Vidyapeetham

Mysuru

Assistant professor ,computer science

SYSTEM SOFTWARE AND MICROPROCESSOR LAB

NETWORK PROGRAMMING LAB BTECH S5

DATASTRUCTURES LAB BTECH S3

CLOUD COMPUTING MTECH S3

CRYPTOGRAPHY AND NETWORK SECURITY BTECH S7

SOFTWARE ENGINEERING BCA S4

SOFTWARE ENGINEERING LAB BCA S4

CRYPTOGRAPHY AND NETWORK SECURITY LAB BCA S2

WEB SECURITY LAB MCA S1

FULL STACK B-TECH S7

C LAB B-TECH S1

FORMAL LANGUAGES AND AUTOMATA THEORY

PYTHON LAB B-TECH S1

COMPUTER NETWORK

INTERNET OF THINGS (IOT)

INFORMATION RETRIEVAL

NETWORK ADMINISTRATION LAB

INTRODUCTION TO AI

MACHINE LEARNING (ML)

WINDOWS PROGRAMMING USING DOT NET

INTRODUCTION TO FRONT WEB DEVELOPMENT

DESIGN AND ANALYSIS OF ALGORITHMS

PROJECT

BTECH 2020 : H-BLOOD
Mobile Application

MTECH 2021 : Facial
Emotion Detection using AI

MTECH 2022 : Deep
learning -based analysis of
sperm for male fertility
prediction.

6-2-2023 - 3-4-2024

COLLEGE OF ENGINEERING KARUNAGAPALLY KOLLAM

Assistant professor computer science engineering

19-11-2022 - 4-2-2023

COLLEGE OF ENGINEERING PERUMON KOLLAM

Assistant professor computer science engineering

20/8/2022 - 22/11/2022

Amrita University

Research Associate

23/3/2022 - 22/4/2022

ORISYSINDIA TECHNOPARK

SOFTWARE DEVELOPMENT TRAINER

worked in two government projects :

- 1)Dayal Upadhyaya Grameen Kaushalya Yojana (DDU-GKY)-The Ministry of Rural Development (MoRD)
- 2) Yuva Kerala Project - Kerala Government Project

PROJECT GUIDE - KTU

Multi-Task Learning with Explainable AI for Ejection
Fraction Prediction and Cardiomyopathy Detection from
Echocardiography Videos

Guide for MCA students 2025-2026 Amrita Vishwa
Vidyapeetham Mysuru Campus

CardioHelp: A smartphone application for beat-by-beat
ECG signal analysis for real-time cardiac disease
detection using AI

Guide for BCA students 2025-2026 Amrita Vishwa
Vidyapeetham Mysuru Campus

Intelligent maternal-fetal healthcare monitoring and
abnormality detection using AI

Guide for BCA students 2025-2026 Amrita Vishwa
Vidyapeetham Mysuru Campus

Chronic Kidney Disease Stage Identification in HIV
Infected Patients using Machine Learning

Guide for btech students 2022-2023 college of
engineering perumon.

A deep learning approach for prediction of Parkinson's
disease progression

Guide for btech students 2023-2024 college of
engineering karunagapally

Cat and dog classification using CNN

Guide for btech students 2023-2024 college of
engineering karunagapally

Cardiovascular diseases prediction by machine learning

Guide for btech students 2022-2023 college of
engineering perumon.

PAPER PUBLICATIONS

Multi-Task Learning with Explainable AI for Ejection Fraction Prediction and Cardiomyopathy Detection from Echocardiography Videos(IEEE)

Face emotion recognition using deep learning" paper published in 2021 National conference on Recent Trends in Engineering(NATCON21)

Deep learning -based analysis of sperm for male fertility prediction and sperm count detection using LRCN and ConvLSTM(Artificial intelligence) IEEE