

UNNIMAYA SATHEESAN

unnimayasatheesan111@gmail.com | 8078519697

EXPERIENCE

BSNL-REGIONAL-TELECOM | INTERN

Oct 2021 | Thiruvananthapuram, India

- Applied visualization techniques to communicate trends in cellular systems and wireless communications during BSNL internship
- Analysed efficiency and reliability of mobile communication systems at BSNL
- Excelled in translating business requirements into actionable visual reports, integrating insights from BSNL internship on recent trends
- Fostered the structure of the communication system in mobile communication

TINKER HUB | VOLUNTEER

Dec 2020 – June 2021

- Organized multiple programs under TinkerHub
- Volunteered Creating a technical team as a Content Lead

PROJECTS

STRESS DETECTION USING MACHINE LEARNING AND IMAGE PROCESSING | PYTHON, HTML, MACHINE LEARNING

Dec 2022

- Developed a web application for real-time emotion detection and stress level analysis using live webcam recordings
- Utilized Haar Cascades for face detection and DeepFace for emotion analysis from facial expressions
- Integrated a MySQL database for storing emotion data and live recordings, enabling admin control and employee registration
- Implemented statistical methods to calculate the average emotion score for multiple expressions, providing a stress level assessment

LINE FOLLOWING ROBOT USING ARDUINO | EMBEDDED

C, ARDUINO IDE, IR SENSOR

Jan 2022

- Engineered a line-following robot using IR sensors, demonstrating proficiency in sensor integration for precise navigation
- Implemented Arduino for signal processing, showcasing expertise in micro-controller programming and control system design
- Successfully integrated motor drivers into the robot system, highlighting skills in hardware interfacing and control mechanism development
- Conducted detailed analysis and optimization of Arduino and motor drivers for peak robot performance

AARTI- AN ONLINE GALLERY | REACT, NODEJS, MONGODB

- Designed and developed a full-stack online gallery website where users can buy artworks, enroll in art courses, and write blogs about art
- Utilized React for the frontend and javascript(Node js) for the backend
- Managed data using MongoDB, enabling efficient storage and retrieval of user data, artworks, course details, and blogs

EDUCATION

JAWAHARLAL NEHRU UNIVERSITY DELHI

M.TECH IN COMPUTER SCIENCE AND TECHNOLOGY
2019-present

COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY

B.TECH IN ELECTRONICS AND COMMUNICATION
2019-2023 | CGPA:8.71/10

DEVAMATHA CMI PUBLIC SCHOOL

12TH
2019 | CGPA:8.3/10

SARASWATHY VIDYA NIKETHAN CENTRAL SCHOOL ENGANDIYOOR

10TH
2017 | CGPA:10/10

SKILLS

1+ years: Python • JavaScript
Git • Github • Kaggle • React • NodeJs • MongoDB • Excel • HTML • CSS • REST • Figma • SQL • Tensorflow • Automation

COURSEWORK

GRADUATE

Digital communication System • Signals and Systems • Wireless Communication • Embedded Systems Microprocessors • Data Structures and Algorithms • Natural Language Processing • Machine Learning • Parallel and Distributed Systems • VLSI • Analog and Digital Communications • Computer Vision • Service Oriented Architecture • Object Oriented Programming (OOP) • Operating System (OS) • DBMS

CERTIFICATES

Introduction to Machine Learning
:Kaggle CERT

LINKS

Github • LinkedIn • Kaggle