# Sephy Shibu Mathew

Thengumtharayil House - 689645
9539883104 sephyshibumathew@gmail.com Linkedin Github

## EDUCATION

**Rajagiri School of Engineering and Technology** June 2021 – July 2023
*Master of Technology in Computer Science and Information System (8.44)* *Kochi*

**Amal Jyothi College of Engineering** June 2017 – July 2021
*Bachelor of Technology in Computer Science and Engineering (8.41)* *Kottayam*

**Chavara Public School** June 2016 – March 2017
*Higher Seconday School in CBSE (72)* *Pala*

**Evershine Residential School** June 2014 – March 2015
*Seconary School in ICSE (84)* *Pathanamthitta*

## EXPERIENCES

**LTIMindtree - Java Developer** February 2023 – April 2023

- LTIMINDTREE Ignite internship program Completed numerous coding scenarios and assessments focusing on Java. Developed and enhanced Java applications through hands-on projects. Gained practical experience in object-oriented programming, data structures, and algorithm design. Collaborated with a team to solve complex coding challenges and debug Java applications.

**Nest cyber campus -Machine Learning** July 2019 – July 2019

- Familarised with fundamentals of machine learning algorithm along with dete supervised learning, classification problems

## PROJECTS

**Product page using ReactJS**

*ReactJS,Javascript, HTML, CSS* | Github July 2024

- This React.js project builds a product page website that showcases detailed product information, including color selection and feature customization options. The website is structured with a topbar for navigation and a main content area displaying product details, color options, and feature selection components. Components Topbar: Displays navigation links or other relevant information. Product image ProductDetails: Renders product name, description,images, fesatures like time and heartrate. Displays product details, including name, description, price, and images. Renders a color selector component with available color options. Provides a feature selector component with customizable options (e.g., time, heart rate). Updates product information based on selected color and features.

**Solar Installation Company website design using Javascript**
*Javascript, HTML, CSS* | Github July 2024

- Futureo Solutions' website features sections for Home, About, Gallery, Location, and Enquiry. The homepage highlights solar projects photos, while 'About' outlines the company's mission and vision. The 'Gallery' showcases projects with detailed pop-ups, and 'Location' provides an interactive map. The 'Enquiry' section offers a contact form. All pages include contact details and social media links for easy communication.

**Personal Finance Tracker**
*Javascript, HTML, CSS* | Github June 2024

- Developed a Personal Finance Tracker using JavaScript, HTML, and CSS. This web application allows users to select items, add amounts, and view a history of the added entries. Users can also delete items from the list, filter entries based on specific criteria, and calculate the total amount. This project demonstrates proficiency in front-end web development and effective handling of user interactions and data manipulation.

**Predicting Diabetes using Hypergraph Learning Model**

*Python, deep learning, data analytics,svm algorithm, hypergraph model* | Github Jan 2023 – May 2023

- The effectiveness of two different feature selection methods for predicting diabetes using the SVM algorithm was compared. The first method involved using a hypergraph learning model for feature selection, while the second method used an association score with p- value to select features. This project evaluated the performance of both methods by measuring their accuracy in predicting diabetes using the SVM algorithm.

**Covid 19 Prediction using Bidirectional LSTM**

*Python,data analytics,lstm model,bidirectional lstm model* |Github Jan 2022 – June 2022

- Long short-term memory (LSTM) and bidirectional LSTM were used to predict COVID-19-positive patients in India. The accuracy of each model by calculating the predicted positive patient count and comparing it with the actual count.

**Visual Assistant using Raspberry Pi**

*Raspbian Operating system, OpenCV, Python, Object detection, face recognition and detection, weather forecast, text recognition, virtual assistant, Wikipedia module , wolframe alpha module, open weathermap API, gTTS Module* | Github Jan 2021 – May 2021

- The device is a voice enabled system that would direct the visually challenged person. The idea is to implement through a camera mounted on spectacle which is connected with a Raspberry Pi 4. System focuses on voice assistant, image recognition, reading text, weather forecast, wikipedia answers, object recognition. The system is capable to assist using voice command to recognize objects in the surrounding, do text analysis to recognize the text in the hard copy document or images, recognise the peoples around them, determine the condition of climate. The output is delivered to the user in the form of audio, either through the earphones

## TECHNICAL SKILLS

**Languages**: Java, Javascript, Python,C
**Web Development**:ReactJS,Javascript,Html5 , CSS3
**Database**: MySQL
**Data science**: Machine Learning, Deep Learning, Standard ML algorithm Clustering
**Data Analysis**: Numpy, Pandas, Matplotlib
**Developer Tools**: VS CODE, GITHUB , Jupyter notebook, Figma, WordPress

## ACHIEVEMENTS

- **Udumy- The Complete ReactJS COurse- Basics to Advanced**
- **Google Data Analytics Prepare Data for Exploration**
- **Coursera - Python data Structure**
- **HTML,CSS, Javascript for Web developers**