

# FELIX SABU

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## EDUCATION

### Mar Athanasius College of Engineering Kothamangalam

B.Tech in Computer Science and Engineering

Jul 2021 – May 2025

Kothamangalam, India

### JJMM HSS Yendar

Kerala DHSE - Biology Science

May 2018 – Apr 2020

Yendar, India

## COURSEWORK / SKILLS

- App Development (using Flutter)
- Problem Solving
- Web Development
- UI/UX Design

## PROJECTS

### Smart slot assignment system for urban EV charging

🔗 | Python, Flask, Mysql

Jun 2024

- An integrated web-based solution using real-time data and Python Flask for efficient management and allocation of electric vehicle charging resources in urban areas.

### Amazone Clone

🔗 | MERN stack

Aug 2023

- Develop a React-based Amazon clone with user authentication, product listings, shopping cart, checkout, payment integration, and admin features.

### AI-Based Dental Shade Matching and Cavity Detection

🔗 | ML

Oct 2024

- A dental shade matching ML project that predicts the closest tooth shade by comparing images to a 16-shade palette using Support Vector Machine (SVM) classification.

### Earthloop

🔗 | Flutter

Feb 2024

- Mobile application for properwaste management.

### Campus Roots

🔗 | Flutter

Aug 2024

- Campus Roots is an app that bridges the gap between students and alumni, providing a platform for networking, project assistance, and insights into the current IT industry trends.

## PUBLICATIONS

### Smart Slot Assignment for Urban EV Charging Using Folium API Integration

🔗 | May 2024

- International Journal for Research in Applied Science and Engineering Technology. Volume 12, Issue V

## INTERNSHIP

### Spectrum Software Solutions pvt ltd

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02 May 2023– 17 May 2023

Ernakulam, India

- \* Internship on App development using Flutter

## TECHNICAL SKILLS

**Languages:** Python, C, Java, Dart, JavaScript, SQL,HTML/CSS

**Developer Tools:** VS Code, Android Studio

**Technologies/Frameworks:** Linux, GitHub, ReactJS, NodeJS, Flask, Mongo, Flutter,MySQL

## Workshops

- NodeJS with Express & MongoDB - Udemy
- Participated in IEEE extreme coding competition 2022
- Workshop on Machine Learning conducted by GDSC mace on 2nd march 2023
- Workshop on the topic Web Development and design conducted by NIT calicut
- Workshop on New trends in software testing conducted by Spectrum software solutions pvt ltd