


# SAJIN SIMON

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## CAREER OBJECTIVE

To leverage my expertise in computer science and machine learning in a challenging and dynamic environment that encourages continuous learning and growth. I aim to contribute effectively to innovative projects, drive technological advancements, and deliver impactful solutions while collaborating with a team that values creativity and excellence.

## EDUCATION

Course	Institution	Board/University	Year	Aggregate
M.Tech CSE(Pursuing))	Amrita Vishwa Vidyapeetham, Coimbatore	AMRITA	2025-2027	-
B.Tech CSE	Jyothi Engineering College, Thrissur	APJAKTU	2021 - 2025	6.86
Higher Secondary (Plus Two)	Prestige Public School, Kozhikode	CBSE	2019	60
High School (SSLC)	Prestige Public School, Kozhikode	CBSE	2017	80

## TECHNICAL SKILLS

**Programming Languages :** C, Java, Python,SQL,JavaScript,HTML,CSS.

**Skills :** Programming, Web Development, Machine Learning, Graphics Designing.

## ACHIEVEMENTS

- District Winner Of Young Innovators Program 6.0 By K-DISC in Assistive Technologies and Wearables.

## PROJECTS

### ❑ RESEARCH ON TOMATO PLANT DISEASES AND PLANT DISEASE PREDICTION

**Team size:** 4

**Duration:** 2 Semesters.

**Description :** Collaborated with Mannuthy Agricultural University to research common tomato plant diseases in Kerala and developed a machine learning based prediction model. Using real world image datasets, the system identifies diseases such as early blight, leaf miner, and mealy bug. A user friendly interface was created for real time diagnosis, helping farmers take timely action to protect crop health and improve yield.

**Role :** Team Leader.

**Technologies Used :** Machine Learning, Preprocessing, HTML, CSS, Flask, Python.

### ❑ SMART BLIND STICK WITH PANIC BUTTON

**Team size:** 4

**Duration:** 1 Semester.

**Description :** Developed a smart blind stick integrating obstacle detection with ultrasonic sensors, GPS navigation, and voice assistance. Features include a panic button for immediate distress alerts, ensuring user safety and enhanced mobility.

**Role :** Team Leader.

**Technologies Used :** Arduino, Sensors.

## ❑ CROP YIELD PREDICTION

**Team size:** 4

**Duration:** 1 Month.

**Description :** Utilized Kaggle dataset to develop and evaluate machine learning models (e.g., Decision Tree, Random Forest, XGBoost) for predicting crop yield. Performed data preprocessing, feature engineering, and model tuning to optimize performance.

**Role :** Team leader.

**Technologies Used :** Machine Learning, Preprocessing, HTML, Flask, Python.

## POSITION OF RESPONSIBILITY

- Volunteered for organizing the 2023 NASA Space Apps Challenge Thrissur.

## WORKSHOPS/SEMINARS

- Participated in IEDC SUMMIT 2023.
- Participated in Introduction to Blockchain by NDLI Club of JYOTHI ENGINEERING COLLEGE.

## PERSONAL DETAILS

Date of birth : 28-08-2001.

Age : 23.

Gender : Male.

Marital status : Unmarried.

Religion : Chrisitan.

Nationality : Indian.

## LANGUAGES KNOWN

English, Malayalam, Hindi, Tamil.

## DECLARATION

I hereby declare that the above written particulars are true to my knowledge and belief.

SAJIN SIMON

08-08-2025

