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

- M.Tech in Computer Science and Engineering (Pursuing), Amrita Vishwa Vidyapeetham, Coimbatore – 2025–2027
- B.Tech in Computer Science and Engineering, Jyothi Engineering College, Thrissur, APJAKTU – 2021–2025 – CGPA: 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, Jyothi Engineering College

PERSONAL DETAILS

- Date of Birth: 28-08-2001 | Age: 23 | Gender: Male | Marital Status: Unmarried
- Religion: Christian | Nationality: Indian

LANGUAGES KNOWN

- English, Malayalam, Hindi, Tamil

DECLARATION

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

SAJIN SIMON

08-08-2025