

# Jaswanth Raj J



## PROFILE SUMMARY

A passionate and driven Computer Science (IoT) student with hands-on experience in AI, IoT, web and mobile app development. Skilled in building intuitive UI/UX interfaces and eager to create impactful tech solutions for real-world challenges.

## CONTACT DETAILS

- ✉ [jjrjaswanth@gmail.com](mailto:jjrjaswanth@gmail.com)
- ☎ 7200440578
- 🌐 LinkedIn Profile
- 🐙 GitHub Profile
- 🌐 Personal Portfolio

## PERSONAL INFORMATION

Citizenship: **Indian**  
Languages: **English, Hindi, Tamil**

## SKILLS

- C, Python, Java, HTML, CSS, JavaScript, PHP
- SQL, MySQL, PostgreSQL, MongoDB
- Java, React JS, Node JS
- **UI/UX Design:** Figma, Adobe Express
- **Tools and Technologies:** Git, GitHub, Firebase, LaTeX, Google AI Studio, Raspberry Pi, Arduino, NodeMCU
- **Machine Learning:** TensorFlow, Streamlit, OpenCV, YOLOv8
- **Soft Skills:** Effective communication, Teamwork, Versatility, Agility, critical thinking

## EXPERIENCE

IEEE EPICS FUNDED TEAM, CHENNAI, TAMIL NADU **Currently Working Volunteer**

- Built and deployed a real-time IoT web dashboard with React Native for monitoring, data visualization, and improved accessibility.
- **Tech Stack:** Figma, ReactJS, JavaScript

UPNYX INNOVATIVE SOLUTIONS, REMOTE **Dec 2024 – Mar 2025**  
*UI/UX Design Intern*

- Designed an AI-powered website and collaborated with frontend developers to ensure design-to-code consistency.
- **Tech Stack:** Figma, Framer

MADRAS INSTITUTE OF TECHNOLOGY, CHENNAI, TAMIL NADU **Mar 2024 – Apr 2024**  
*IoT Intern*

- Developed a secure, real-time IoT system using MQTT and cloud platforms for environmental monitoring.
- **Tech Stack:** Arduino, Raspberry Pi, ThingSpeak

## EDUCATION

SRI SAIRAM ENGINEERING COLLEGE, CHENNAI, TAMIL NADU  
*Bachelor of Engineering (Internet of Things)* **Graduation: 2026**  
**CGPA: 8.26**

ST THOMAS MATRICULATION HIGHER SECONDARY SCHOOL, CHENNAI, TAMIL NADU  
**HSC (2022) – 86% | SSLC (2020) – 84%**

## PROJECTS

MEDTECH - AN AI MEDICAL ASSISTANT APP **April 2024**

- Built an AI-powered app using Gemini and ML models for medical diagnostics and personalized health recommendations.
- **Tech Stack:** Machine Learning, AI, Flutter, Streamlit

AI POWERED DATABASE QUERY INTERFACE **June 2024**

- Developed a natural language and voice-driven interface for seamless database query execution and management.
- **Tech Stack:** Langchain, Streamlit, MySQL, PostgreSQL, MongoDB

SEIVAR- AN APP FOR DOMESTIC WORKERS **January 2024**

- developed Wireframe, prototype and mockups for SEIVAR app which is used to bridge the gap between People and Workers.
- **Tech Stack:** Figma, Framer, Flutter, Firebase

## ACHIEVEMENTS

- Won **First Place** in Sairam SDG **Ideathon 3.0**.
- Secured **First Place** at the **NDLI Hackathon** for project MedTech.
- Achieved **First Place** in the **Project Expo** for project MedTech.
- Earned **Second Place** in the **Turbo Track** RC Car Racing Event.
- Won **Third Place** in the **IEEE SPAX** Funded Event on UI/UX Design.

## PUBLICATIONS

CV2X BASED AMBULANCE INTEGRATED WITH 5G TECHNOLOGY

- Presented a research paper on integrating CV2X with 5G for advanced emergency medical response.