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

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- ▯ 7200440578
- **in** 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 SA 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.