

Jaswanth Raj J

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SKILLS

LANGUAGES

Advance:C|Python|Java|HTML|CSS|SQL
Intermediate:JavaScript|Dart

UI-UX DESIGNING

Advance:Figma|Adobe Express
Intermediate:Adobe Photoshop

MACHINE LEARNING

Tensorflow|Streamlit|Opencv|Yolov

TOOLS AND TECHNOLOGIES

GIT|Github|Firebase|LaTex
Google AI Studio|Langchain|
Raspberry Pi|Arduino|Nodemcu

EDUCATION

SRI SAIRAM ENGINEERING COLLEGE

BE Computer Science
and Engineering(Internet of Things)
Grad.2026|CGPA 8.15

ST THOMAS MATRICULATION HIGHER SECONDARY SCHOOL

SSLC-2020
Percentage:84
Chennai,Tamilnadu

ST THOMAS MATRICULATION HIGHER SECONDARY SCHOOL

HSC-2022
Percentage:86
Chennai,Tamilnadu

TECH PROFILE LINKS

Github:// [jackjjr24](#)
LinkedIn:// [Jaswanth Raj J](#)
Portfolio:// [Personal-portfolio](#)

COURSEWORK

GRADUATE

Data Structures and Algorithms
Operating Systems
Computer Networks
Theory of Computation
Agile Software Engineering
Object Oriented Programming
Internet of Things and its Architecture
Design and Analysis of Algorithms
Database Management Systems

EXPERIENCE

MADRAS INSTITUTE OF TECHNOLOGY IOT Intern

Mar 2024 | Chennai,Tamilnadu

- Implemented IoT systems for **real-time environmental** monitoring, boosting data accuracy by 30 percent.
 - Streamlined **sensor-to-cloud data flow** using MQTT, reducing latency by 20 percent.
 - Secured data transmission and storage with encryption, ensuring compliance with **industry standards**
- Tech Stack:Arduino,Raspberry Pi,Thingspeak

IEEE EPICS FUNDED TEAM OF 6430 USD Volunteer

Currently Working | Chennai,Tamilnadu

- Created a **UI UX Deisgn** for IoT web dashboard to monitor the project.
 - Developing the design into **web dashboard**, using ReactJs .
 - Ensuring real time **data visualization, alerts** and security features
- Tech Stack:**Figma, ReactJs**

PROJECT

MEDTECH-AN AI MEDICAL ASSISTANT April 2024

- Developed modules for accurate skin disease and X-ray image diagnoses using Gemini AI.
 - Created a symptom checker and remedies database, offering tailored health advice based on user inputs.
 - Deployed the application on Render, ensuring high availability and scalability to handle increasing user demand.
- Tech stack:**Gemini AI,Streamlit,Render**

SYMPOSIUM WEBSITE FOR OUR DEPARTMENT November 2023

- Developed a website for the symposium to reach out to students and make them register for the event by linking google forms.

Tech stack:**Wordpress**

SEIVAR - APP DESIGN FOR DOMESTIC WORKERS

January 2024

- Designed Wireframe, prototype and mockups for SEIVAR app which is used to bridge the gap between People and Workers.

Tech stack:**Figma, Adobe Express**

ACHIEVEMENTS

SAIRAM SDG IDEATHON 3.0

Sri Sairam Engineering College
Secured First place at SDG Goal 9-Industry and Infrasructure

NDLI HACKATHON

Sri Sairam Engineering College
Secured First place at the domain of Biomedical