J Jaswanth Raj

✉ jjrjaswanth@gmail.com | 📱 7200440578
https://jackjjr24.github.io/Personal-Portfolio/| https://www.linkedin.com/in/jaswanth-raj-j-516ba4248/|

Skills

Languages: Advanced: C, Python, Java, HTML, CSS, SQL; Intermediate: JavaScript, Dart, PHP
UI-UX Designing: Advanced: Figma, Adobe Express; Intermediate: Adobe Photoshop
Machine Learning: TensorFlow, Streamlit, OpenCV, YOLO
Tools and Technologies: GIT, GitHub, Firebase, LaTeX, Google AI Studio, MySQL, LangChain, PostgreSQL, Raspberry Pi, Arduino, NodeMCU,MongoDB,Capcut,Photoshop

Experience

Madras Institute of Technology, Chennai, Tamil Nadu   Mar 2024 - Present
IoT Intern

- Implemented IoT systems for real-time environmental monitoring, boosting data accuracy by 30%.
- Streamlined sensor-to-cloud data flow using MQTT, reducing latency by 20%
- Secured data transmission and storage with encryption, ensuring compliance with industry standards.

Tech Stack:**Arduino,Raspberry Pi,Thingspeak**

IEEE EPICS Funded Team, Chennai, Tamil Nadu   Currently Working
Volunteer

- Created a UI/UX design for IoT web dashboard to monitor the project.
- Developing the design into a web dashboard using React Native.
- Ensuring real-time data visualization, alerts, and security features.

Tech Stack:**Figma, ReactJs**

Projects

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.

Tech Stack:**Gemini AI,Streamlit,Render**

Symposium Website   November 2023

- Developed a website for the symposium to reach out to students and facilitate event registration via Google Forms.

Tech Stack:**Wordpress, Wix**

SEIVAR - An App for domestic workers   January 2024

Wireframe, prototype and mockups for SEIVAR app which is used to bridge the gap between People and Workers.Developing the compeleted design into an app using flutter.

Tech Stack:**Figma, Firebase, Flutter**

AI based Smart Query interface   June 2024

- Created a chatbot that allows users to interact with the database by using natural language.
- Integrated a number of capabilities, including the ability to generate ER diagrams, load databases using.sql files, take database snapshots for recovery, and download logs to track usage.

Tech Stack:**Langchain, Streamlit, MySQl, PostgreSQL, MongoDB**

Achievements

Sairam SDG Ideathon 3.0

- Secured First place at SDG Goal 9 - Industry and Infrastructure.

NDLI Hackathon

- Secured First place in the domain of Biomedical.

Education

Sri Sairam Engineering College   Graduation: 2026
BE Computer Science and Engineering (IoT)   *CGPA: 8.16*
Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Networks, Theory of Computation,
Agile Software Engineering, Object Oriented Programming, IoT and its Architecture, Design and Analysis of Algorithms,
Database Management Systems

ST Thomas Matriculation Higher Secondary School, Chennai, Tamil Nadu 2020
SSLC   *Percentage: 84*

ST Thomas Matriculation Higher Secondary School, Chennai, Tamil Nadu 2022
HSC   *Percentage: 86*

Tech Profile Links

GitHub   jackjjr24

LinkedIn   Jaswanth Raj J

Portfolio Personal-portfolio