JASWANTH PRASANNA V

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 https://github.com/Jaswanth1406

Technical Skills

Languages: Python, JavaScript, HTML & CSS, Java
Frameworks: Pandas, NumPy, VueJS, Celery
Databases: MySQL, Redis
Visualization Tools: Matplotlib, Seaborn
Skills: Machine Learning, Web Development

Projects

Household Services Application - V1 | *Python, Flask, SQLite, Jinja2, Bootstrap*

- A multi-user platform designed to connect customers with service professionals for household services. It enables customers to search for services, book appointments, and provide feedback, while professionals can manage and complete service requests. Admins oversee user activities and service management.
- Built using **Flask for backend operations, Jinja2 for dynamic HTML generation, Bootstrap for responsive UI, and SQLite for data storage**, the platform is designed to run locally for demonstration purposes.

Household Services Application - V2 | *Python, Flask, VueJS, SQLite, Redis, Celery, Bootstrap*

- An enhanced version of the multi-user household service platform, now supporting a more scalable and **interactive UI with VueJS, real-time request handling**, and caching for improved performance. Service professionals receive automated daily reminders, and customers get monthly activity reports via email.
- Introduced **batch job processing with Celery and Redis for scheduled tasks**, such as automated alerts, activity reports, and CSV exports. Built **with Flask for backend APIs, VueJS for a modern UI, SQLite for data storage, and Bootstrap for responsive design.**

Heart Disease Risk Prediction Using AI | *Python, Scikit-Learn, Flask, HTML & CSS*

- Developed **an AI-powered heart disease prediction model** using Random Forest, achieving an accuracy of **86%**. Trained on over **900 real-world patient records**.
- Integrated into a **Flask-based web app**, it processes inputs in **under 2 seconds**, offering an **intuitive dashboard** for data-driven healthcare decisions, benefiting medical professionals and patients worldwide.

Education

Rajalakshmi Institute of Technology   **2023 – 2027**
Bachelor of Engineering in Computer Science (AI & ML)   *Chennai, Tamil Nadu*
CGPA: 8.33

IIT-Madras   **2023 – 2027**
Bachelor of Science in Data Science and Applications   *Chennai, Tamil Nadu*
CGPA: 7.84

Certifications & Achievements

Understanding the Google Cloud Platform
IIT Madras Workshop | February 16, 2025

Games We Play
IIT Madras Workshop | May 30, 2024

Introduction to MongoDB for Students
MongoDB University | July 26, 2024

Presented our paper at IIPA Southern Regional Conference
Pondicherry University | June 30, 2025