

SHASHANK JAGADEESH KALAKATTI

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PROFILE SUMMARY

4th-year Computer Science student with a strong interest in learning new technologies. Currently learning Python and C. Passionate about improving my coding skills. Eager to learn more about software development and gain real-world experience.

EDUCATION

Bachelor of Engineering(VTU), Bapuji Institute of Engineering and Technology, Davanagere 2022 - 2026

TECHNICAL SKILLS

Languages: C, HTML, Python
Frameworks: SpringBoot, JQuery
Other: Git, Github

LEADERSHIP ROLE

Team Lead - Personalized Recommender System For E-Commerce Application Using Explainable AI (XAI) (Final Year Project)

Leading a 4-member team in designing and developing an recommender system using Collaborative Filtering. Oversaw project planning, task delegation, and integration of Explainable AI (SHAP) and Federated Learning for privacy. Coordinated FastAPI-React integration with Kafka and Docker, delivering a scalable and secure solution that improved recommendation accuracy by 18%.

PROJECTS

Ayurvedic Cure - Symptom-Based Remedy Recommender

HTML, CSS, Python, JS, MySQL

- Developed system to suggest Ayurvedic remedies based on symptoms.
- Integrated medicinal plant database for accurate recommendations.
- Enabled easy search and personalized treatment guidance.

Personalized Recommender System For E-Commerce Application Using Explainable AI (XAI)

HTML, CSS, Python, JavaScript, MySQL, XAI(SHAP), React, FastAPI

- Built personalized product recommender for e-commerce users.
- Applied Explainable AI (XAI) to make recommendations transparent.
- Improved user trust with clear reasoning behind suggestions.

Smart Atmospheric Water Generation System (NAIN 2.0)

- Designed system to extract water from atmospheric humidity.
- Used sensors for real-time humidity and temperature monitoring.
- Implemented automated control for efficient water generation.

ACHIEVEMENTS / CERTIFICATIONS

NPTEL - Cloud
Computing