YASHRAJ KUMAWAT

EMBEDDED & DESKTOP APP DEVELOPER

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SUMMARY

Enthusiastic and detail-oriented developer with a passion for desktop application development, IoT, and robotics. Proficient in Python, C, C++, and JavaScript, with experience in frontend (HTML, CSS, JS) and backend (Node.js, MySQL). Skilled in building efficient and user-friendly applications, including microfinance software, e-commerce platforms, and IoT-based automation projects. Strong problem-solving abilities with hands-on experience in hardware-software integration and performance optimization (C++ with Pybind11). Adept at team collaboration, version control (GitHub), and Agile development. Currently pursuing B.Tech in Computer Science and Engineering.

PROFESSIONAL SKILLS

Problem-Solving & Debugging	Adaptability to New Technologies	Agile Development & Project Management	
Programming Languages: Python, C, C++, JavaScript	Desktop Development: PySide6 (Qt), Tkinter	IoT & Embedded Systems: NodeMCU ESP8266, Arduino	Database Management: MySQL

PROJECTS

FINOSHOK – MICROFINANCE SOFTWARE
Github Link: github.com/yashraj-kumawat-14/finoshok

- **Tech Stack:** Python, Tkinter, MySQL, C++ (Pybind11 for performance optimization)
- **Description:** A **desktop application** for microfinance management, including **loan tracking, user management, and financial analytics.**

SMARTGUIDEBOT – AI VIRTUAL ASSISTANT
Github Link: github.com/yashraj-kumawat-14/SmartGuideBot

- **Tech Stack:** Python, Speech-to-Text, Text-to-Speech
- **Description:** A **voice-enabled AI assistant** providing **text, voice, and video-based directions** using speech recognition technology.

IOT-BASED HOME AUTOMATION WITH ALEXA
Project showcased in portfolio.

- **Tech Stack & Components:** NodeMCU ESP8266, Sinric Pro, Amazon Alexa App, Arduino IDE
- **Description:** A **smart home automation system** that allows users to **control appliances via Alexa voice commands.**

SMART VIRTUAL DOCTOR – REMOTE HEALTH MONITORING
Project showcased in portfolio.

- **Tech Stack & Components:** NodeMCU ESP8266, Arduino UNO, 8″ Tablet(Android 4), Rover System, Arduino IDE, Heartbeat Sensor, Temperature Sensor
- **Description:** A **rover-based telemedicine system** enabling **real-time remote consultation** with doctors via audio/video streaming and vital sign monitoring

EDUCATION

CLASS-XII SCIENCE & MATHS   (2022 - 2023)
Rajasthan State Of Open Schooling (RSOS)
Percentage : 65 %

CLASS-X
SOPHIA PUBLIC SCHOOL (CBSE)   (2020 - 2021)
Percentage : 77.8 %