GAYATRI KULKARNI

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EDUCATION

AGM College Of Engineering and Technology, Navagrah teerth, Varur, Karnataka, India **2021-2025**

Visvesvaraya Technological University, Belagavi.

Bachelor of Engineering in Computer Science and Engineering, CGPA: 7.4

PROFESSIONAL EXPERIENCE

HealthEC, Bengaluru. **Oct-Nov- 2023**

Intern

- During my internship at HealthEC, I worked on a project focused on extracting data from lab reports.
- The goal was to develop a system that automatically classifies and extracts key information like patient details and medication from medical documents.
- By using tools such as Pytesseract for OCR, Computer Vision, Regex, PDF2Image, and Pytest, we significantly cut down processing time from 15 minutes to just 2 minutes.

Rooman Technologies. **Oct2024- Ongoing**

Intern

- Conducting AI-driven data quality analysis to identify and address inconsistencies, gaps, and errors in datasets.
- Collaborating with Rooman Technologies to develop efficient data validation workflows and enhance data reliability for AI applications.

PROJECTS

Library Management System

- Developed a library management system using Java and SQL, enabling efficient book cataloging, user management, and transaction handling.
- Implemented features for book checkouts, searches, and reports, enhancing overall library operations. Leveraged Java for application logic and SQL for robust database management.

Data Extraction from Lab Reports

- This project is to implement medical data extraction, and this project will auto classify and extract useful information from medical care documents.
- This project works well on medical care documents (like extracting name, patient details, medicine) and this saves time as it reduces human work and saves time from 15 min to 2 min.
- Implemented this project by using libraries - Pytesseract(Runs On Google Optical Character Recognition-OCR), Computer Vision, Regex, PDF2Image, Pytest.

Air Canvas

- Created an “Air Canvas” project using Python and OpenCV, allowing users to draw in the air using gesture recognition technology.
- Implemented real-time tracking and gesture interpretation to translate movements into digital drawings.
- The project showcased advanced computer vision techniques and user interaction design.

AI Chatbot

- Developed an AI-powered chatbot using Django and OpenAI's ChatGPT API, enabling context-aware conversational interactions.
- Designed a scalable and secure backend with seamless user authentication and real-time message handling.

Quiz Application

- Designed and developed a dynamic quiz application using Java Swing and AWT, featuring an interactive user interface for seamless navigation.
- Implemented functionalities for question management, timer-based quizzes, and real-time scoring to enhance user engagement and learning outcomes.

SKILLS

Programming languages: C (Basic), Java (Basic), Python (Basic), SQL (Basic).

Computer software/ frameworks: PyCharm, NetBeans, Microsoft Office

Languages: Kannada, English, Hindi.

Hobbies: Reading, Drawing, Painting, Travelling