Saket Raj Singh

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Summary

With a strong academic background having a CGPA of 9.16 from Jain College of Engineering, Belagavi, I am a dedicated Computer Science Engineering graduate skilled in HTML, CSS, AngularJS, Java, Python (Django), C, and SQL, with hands-on experience in Arduino and Raspberry Pi programming. My achievements include being the CSE department topper, and MSME Ideathon winner. During my internship, I honed research skills using Overleaf for journal publications and done a project on human following robot. My project portfolio reflects technical expertise and creativity, featuring medical data extraction, shape detection with OpenCV, an AI assistant for automation, and a WhatsApp chatbot for seamless AI interactions. I am driven by learning and problem-solving.

Education

Jain College Of Engineering, Belagavi
B.E. in Computer Science Engineering
CGPA: 9.16

Skills

- **Languages:** Python, Java, C
- **Web Development:** HTML, CSS
- **Framework:** Angular JS, Django
- **Tool:** MySQL
- **Soft Skills:** Problem-solving, critical thinking, work ethics, adaptability

Project

Medical Data Extraction: The extraction of medical data is an essential process in healthcare, facilitating the efficient retrieval of critical information from various medical documents to support clinical decision-making, research, and healthcare management. This mini project aims to develop a comprehensive system capable of extracting relevant data from electronic health records (EHRs), research articles, and clinical trial data using Tesseract (OCR) tool.

Shape detection in OpenCV: Shape detection using OpenCV in Python involves a series of steps to identify and approximate shapes within an image. By leveraging the capabilities of OpenCV libraries and functions.

WhatsApp Chatbot: Here by using python programming created a chatbot where we chat with the person. A chatbot automates conversations, providing instant responses, improving customer service, and enhancing user engagement through AI-driven, natural language interactions in various applications.

Ai Assistance: It refers to an advanced AI system capable of performing tasks like automation, voice control, data analysis, and personal assistance. Libraries used pyttsx3, API, keras etc.

Certifications

- Disha Computers certification on the completion of C programming language
- Unity 3D certification
- Cirrus labs Certification on Agile development, DevOps, GitHub and using of Atlassian Jira tool.
- Infosys springboard certification on basics of Python and Java.
- EDUTA certification on Thinking in English: Improve fluency and Speak naturally
- Python from HackerRank

Internship/ Workshop

Jain College of Engineering Research and Development Internship

- Use Overleaf tool we have learned how to make journal papers for publications.
- Developed a Human Following Robot which uses sensors like ultrasonic and IR with Arduino UNO to track and follow a person, enabling applications in assistance, delivery, and caregiving.

Jain College of Engineering Raspberry pi and Arduino Internship

- From Raspberry Pi and Arduino we focus on programming, networking, and full OS environments, while Arduino emphasizes microcontroller basics, sensor interfacing, and real-time applications.

Cirrus Labs Workshop

- A two days workshop on Agile development with Scrum, DevOps, GitHub and using of Atlassian Jira tool.

Achievements

- MSME ideathon winner
- Table tennis state level player
- CSE department topper