Sandeep M S **: 9110862068**

Bengaluru : sandeepms636@gmail.com

Objective:

Motivated final-year Computer Science Engineering student with a strong foundation in software development and problem-solving. Seeking an internship/full-time position to apply technical skills and contribute to innovative projects.

Education:

Bachelor of Technology (B.Tech) in Computer Science Engineering

[DAYANANDA SAGAR UNIVERSITY], [BENGALURU, KARNATAKA]
[SEPTEMBER, 2024] - Expected Graduation: [JUNE, 2025].

Technical Skills:

- programming Language: Java, Python, SQL, Open GL, C programming,
- Web Technologies: HTML, CSS
- Databases: MySQL
- Operating System: Window, Linux.

Project Description:

Major project: Innovations in AI and Assistive Technologies: Empowering the Visually Impaired

Brief description of the project:

Innovations in AI and Assistive Technologies: Empowering the Visually Impaired

Vision is a sense that allows individuals to gather information about their surroundings. People with visual impairments may experience vision difficulties either from birth or due to accidents or injuries. Assistive technology provides support to people with disabilities, helping them to enhance their daily lives. Despite significant advancements, the research highlights persistent challenges, including affordability, real-world adaptability, user-centered design considerations, dynamic context awareness, and real-time fast inferencing with reduced latency. Addressing these issues is crucial for promoting broader adoption and ensuring inclusivity and accessibility. Future developments should emphasize scalability, intuitive user interfaces, the integration of large language models (LLMs) and AI agents for decision-making, and rigorous real-world validation. These efforts will enhance safe navigation, increasing the mobility and confidence of visually impaired individuals, ultimately empowering them to lead more independent lives

This description highlights your, making it concise and impactful for a resume.

Mini projects:

1. QR Based Attendance System:

Brief description of the project:

QR Based Attendance System
Developed and implemented a QR code-based attendance system to streamline check-ins, reduce manual errors, and improve efficiency. Integrated QR scanning with a database for real-time tracking and reporting. Enhanced security and accessibility, ensuring seamless user experience and data accuracy.

This showcases your skills in graphics programming and image processing while emphasizing real-time interaction and optimization.

2:C Program Classifier:

Brief description of the project:

C Program Classifier
Designed and implemented a C Program Classifier to automatically categorize and classify C programs based on their functionality. Developed algorithms to analyze code structure, keywords, and syntax patterns to accurately determine the program type (e.g., sorting algorithms, data structures). Utilized lexical analysis and pattern recognition techniques to enhance classification accuracy. Focused on efficiency and scalability to handle large codebases, improving overall classification speed and reliability.

This description highlights key aspects of the system, focusing on automation, database management, and user interaction.

3: SMART PARKING SYSTEM:

Brief description of the project:

Smart Parking System
Developed a web-based Smart Parking System to optimize parking space management using real-time availability tracking and automated reservations. Implemented front-end interfaces with HTML, CSS, and JavaScript, while managing backend functionality with Node.js and Express. Integrated a database (MySQL/MongoDB) for user authentication, parking slot allocation, and payment processing. Enhanced user experience with responsive design and interactive maps

4: Fire Fighter Bot Using IOT:

Brief description of the project:

Fire Fighter Bot Using IOT
Developed an IoT-based Fire Fighter Bot designed to detect and extinguish fires autonomously. Integrated real-time sensors (temperature, smoke, and flame detectors) for early fire detection and automated response. Utilized microcontrollers (Arduino/Raspberry Pi) for processing and remote control via a mobile/web interface. Implemented wireless communication (Wi-Fi/Bluetooth) for remote monitoring and control, enhancing fire safety in industrial and residential areas.

Personal details:

Date of Birth	: 10th July 2002
Nationality	: Indian
Father Name	: Sandeep MS
Languages known	: English, Kannada.

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge and Ibear the responsibility for the correctness of the above-mentioned particulars.

Place: **(Sandeep M S)**
KUDLUGATE,
BENGALURU - 560072