



SANJAYKUMAR T S

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SUMMARY

Results-driven Python Developer with expertise in Full Stack Development, Machine Learning, and Computer Vision. Strong problem-solving skills with experience in designing scalable applications. Passionate about building high-performance web applications and AI-driven solutions. Proficient in python programming, DSA algorithms, React.js, Django, and API integration, with hands-on experience in database management (MySQL, MongoDB). Seeking a challenging role in software development to contribute innovative solutions in a fast-paced environment.

EDUCATION

Master of Computer Applications (MCA)| 2022-2024

JSS College of Arts Commerce and Science, Mysore | CGPA :7.2

Bachelor of Science in Physics, Mathematics, and Computer science

JSS College of Arts Commerce and Science, Mysore, Karnataka. | 6.8 CGPA

SKILLS

- Programming Languages: Python, JavaScript;
- Web Development: HTML, CSS.
- Database Management: MySQL and MongoDB
- Software Development: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), SDLC Lyfe Cycle.
- Machine Learning and AI: Open CV, TensorFlow, Deep Learning
- Version Control: VS Code, Git, GitHub.
- Data Analytics: Pandas, NumPy.

PROJECTS

Covered and Uncovered Face Detection for ATM Security:

- Developed a real-time face detection system to enhance ATM security by identifying covered and uncovered faces using computer vision and machine learning.
- Implemented face recognition and mask detection using deep learning models.
- Integrated the system with Django for web-based monitoring and real-time alerts.
- Optimized the model for high accuracy and low latency in ATM security environment.
- Stored and managed user data securely using MySQL.
- Technologies Used: Python, OpenCV, TensorFlow/Kera's, Deep Learning, Django, MySQL

Sound Sphere-Web based Music Playback and Playlist Management.

- Designed a web platform that enables seamless music streaming and efficient playlist organization, enhancing the user's listening experience.
- Designed and implemented a user-friendly interface for playlist management.
- Developed a music streaming system with smooth playback functionality.
- Integrated MySQL database to store user playlists and track music preferences.
- Ensured a responsive design for cross-device compatibility.
- Technologies Used: HTML, CSS, PHP, MySQL.

IPL Player Action – Real -Time Match Updates Web App

- Created a dynamic web application to display IPL (Indian Premier League) match actions and player auction updates in real-time.
- Implemented real-time data fetching using RESTful APIs to display live match updates.
- Crafted an interactive UI using React.js, enhancing user engagement and retention by creating intuitive navigation paths that reduced bounce rates on key app pages by 15% over three months.
- Used JavaScript and state management to handle dynamic content efficiently.
- Ensured a responsive and optimized frontend for seamless performance across devices.
- Technologies Used: React.js, JavaScript, HTML, CSS, RESTful APIs.

CERTIFICATES

- Python Programming Certificate – Great Learning
- MongoDB Certificate – Great Learning
- Front End Development – Great Learning