

## ADABALA SURESH

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### PROFILE SUMMARY

Highly motivated B.Tech ECE graduate with a strong foundation in software development and a keen interest in front-end technologies. Skilled in JavaScript, HTML, CSS, with basic knowledge of ReactJS, REST APIs, and Git. A quick learner with strong teamwork abilities, committed to delivering quality work and continuous improvement. Seeking an entry-level software engineering role to contribute to impactful projects and grow professionally.

### EDUCATION

Eswar college of Engineering, kesanupalli

CGPA: 7.77/10

B.Tech (Electronics and Communication Engineering)

2021-2025

### TECHNICAL SKILLS

- **Front-End Technologies** : HTML, CSS, JavaScript
- **Programming Languages** : Java, Python, Embedded C
- **Frameworks and Databases** : Bootstrap, MySQL, Postman
- **Developer Tools** : VS Code, Google Collab, Git, GitHub, Eclipse, Xilinx
- **Operating System** : Windows
- **Other Skills** : Data Analysis, Machine Learning, MS Office, Computer Networks

### SOFT SKILLS

Problem-Solving | Critical Thinking | Team Work | Adaptability | Creativity | Time Management

### INTERNSHIP

Home Authorization based Automatic Systems IoT Intern | SAK Informatics

Jun - Jul, 2024

- Enhanced a real-time IoT-based smart door lock on Raspberry Pi using Python and OpenCV for facial recognition. Blended camera, cloud alerts, and hardware control for secure, automated access.

Artificial Intelligence and Machine Learning Domain Intern | APSSDC

May - Jun, 2024

- Built a sentiment analysis model using Python, scikit-learn, and NLP to classify restaurant feedback as positive, negative, or neutral. Processed text data, trained ML models, and improved accuracy through feature engineering.

Frontend Web Development Intern | Skill Dunia

Aug - Sep, 2023

- Developed responsive web interfaces using HTML, CSS, and JavaScript to perform CRUD operations. Merged frontend forms with backend APIs for creating, reading, updating, and deleting data.

### PROJECTS

#### THE KABADDI ARENA – RESPONSIVE PKL WEBSITE

- Created a clean and responsive website about the Pro Kabaddi League using HTML and CSS, with sections like Home, About Kabaddi, PKL Records, Season-wise Winners, and Venues.
- Designed the site to work smoothly on mobiles and laptops, making it easy for users to explore Kabaddi information.
- Presented PKL records and season details in a simple and organized way so visitors can quickly understand the information.
- Focused on a user-friendly look and fast loading, making the website useful for Kabaddi fans and perfect for showcasing front-end skills.

#### AUTOMATIC ROOM LIGHT AND FAN CONTROLLER WITH VISITOR COUNTER

- Improved a microcontroller-based automation system using Arduino UNO, IR sensors, and relay modules to automatically control room lights and fans based on real-time occupancy.
- **Achieved 35% energy savings** by ensuring devices operated only when needed. Integrated an LCD for accurate visitor count display and implemented threshold-based fan activation for enhanced comfort.
- Developed entry/exit detection logic with IR sensors, **ensuring over 95% counting accuracy** and eliminating manual intervention.
- Designed as a low-cost, scalable solution suitable for classrooms, offices, and homes, capable of handling 100+ daily user interactions without performance loss.

### CERTIFICATIONS AND ACHIEVEMENTS

- Earned NPTEL certification in Digital Circuits with a score of 55%.
- Participated in RBI90 Quiz conducted by Reserve Bank of India.
- Represented Andhra Pradesh as Vice-Captain in the Sub-Junior category in the year 2020 National Level Kabaddi Championship.