

## IJJADA DEEPIKA

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### Experience

- SRKR AICTE IDEA LAB** **17-07-2023 - 20-09-2023**  
Internship on Cyber Physical Systems and Cyber Security with Applications of Reinforcement Learning

### Education

- SRKR Engineering College** **2025**  
Bachelor of Technology in Electrical and Electronics Engineering  
**8.87**
- Sri Chaitanya Junior College** **2021**  
Intermediate in MPC(Maths, Physics, Chemistry)  
**979**
- Z P H.School, Kopalle** **2019**  
Secondary Education  
**9.7**

### Projects

- AI Powered Energy Management System for industrial and commercial facilities for energy consumption optimisation**
  - Energy consumption in industrial and commercial facilities is a major expense for businesses and also contributes to environmental pollution.
  - To address this issues, AI powered Energy Management System is developed.In any commercial or industrial facilities nearly 50% of major consumption is due to HVAC(Heating, Ventilation,Air Conditioning) and lightning loads.
  - Real time sensors data is collected from HVAC and lighting loads and creates dataset using Google spreadsheet.
  - This data is given to Reinforcement Learning algorithm for analysing the patterns,learn and adapt to scenario for energy consumption optimisation.
  - Analytical insights provides to users through an intuitive web based dashboard for monitoring and controlling.
- Bluetooth controlled Robotic Arms(Blue Arm Bot)**
  - It is a Bluetooth controlled humanoid robot.The robot is made with servo motors and Metal Sheet.Developed a bluetooth voice control app.A Bluetooth hc05 module is used for wireless communication with app.
  - Arduino Uno is used to recieve commands from app through bluetooth module and to perform actions based on commands through servo motors like shake hand ,saying hello,hands up etc.. arm movements

• **Personal Portfolio Website**

•It is a personal portfolio website showcasing details includes education,skills, resume, projects , contact details etc.This website aims to highlight skills and to make it an effective tool for professional representation

**Technical Skills**

- C
- Python
- IOT
- HTML
- CSS
- Java Script
- Reinforcement Learning

**Soft Skills**

- Communication
- Team Work
- Leadership
- Creativity
- Honesty
- Dedication
- Courage
- Hard Work

**Achievements & Awards**

- Secured first position in International Project Expo in the area of Sustainable Engineering during International Conference 2024 by IEEE Vizag Bay Section
- Secured second position in pitching desk event held in Innovation, Design and Entrepreneurship (IDE) bootcamp conducted by AICTE in collaboration with MOE Innovation cell for Smart India Hackathon 2023 grand finalists
- Secured first position in Sankalp-Orator competition in SRKR Engineering College
- Runners in Smart India Hackathon 2023
- Won Ms Sankalp 2023 title in SRKR Engineering College
- Secured 2nd place in Eco friendly culinary skills competition

**Interests**

- Art and Craft with waste materials
- Web Design and Development
- Reading Books

**Language**

- Telugu

- English
- Hindi

## Activities

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- Currently working as an Executive Body Member of AEE (Association of Electrical Engineers) which is a student body organisation
- Worked as a Campus Ambassador for IIT Delhi during the fest in 2023 under Kaizen Campus Ambassadors Program
- Working as a team lead for Eco Energy Exerts Team and leading this team in Smart India Hackathon 2023 which is a national level competition