Madeti Kumar

⊙ Visakhapatnam, India ☎ + 91 6302085024 ✉ pavankumarmadeti143@gmail.com

⊕ https://pavan-1522.github.io/My_components.github.io/

Summary

Experienced professional and fresher with a diploma in Electronics and Communication Engineering. Passionate about learning and easily adaptable to any environment. Interested in IoT, Robotics, and Artificial Intelligence. Demonstrated expertise through successful completion of various projects and achievements.

Experience

Founder • EleGets   **Feb 2024 - Present**

- Founded and launched an electronic ecommerce startup, revolutionizing the online shopping experience through the creation of a user-friendly website and app.
- Demonstrated exceptional project management skills by successfully delivering final year projects for students, showcasing technical expertise and ensuring timely completion.
- Established and oversaw operations of an online store, curating a diverse selection of high-quality components to meet the electronic needs of customers.
- Created Elegets Learn, a comprehensive educational website that provides students with in-depth knowledge and resources on electronics.
- Positioned Elegets Learn website as a highly regarded learning platform for students, contributing to ongoing development and enhancement efforts.

Robotics Workshop • Jawaharlal Nehru Technological University,   **Mar 2023 - Present**
Kakinada

- Participated in a robotics workshop conducted at Jawaharlal Nehru Technological University, Kakinada.
- Demonstrated exceptional skills and knowledge in robotics throughout the workshop.
- Received first prize for outstanding performance and contribution to the workshop.
- Collaborated effectively with team members to design and build a successful robotics project.
- Utilized problem-solving abilities to overcome challenges and ensure project success.
- Showcased strong creativity and innovation by implementing unique ideas into the robotics project.
- Effectively communicated ideas and strategies to team members, fostering a collaborative environment.
- Demonstrated excellent time management skills by meeting project deadlines and delivering high-quality results.
- Proactively researched and implemented cutting-edge technologies and techniques into the robotics project.
- Showed dedication and commitment to continuous learning and improvement in the field of robotics.

production • Resolute Skyquad Electronics & Appliances Pvt Ltd   **Jun 2023 - Nov 2023**

- Completed a 6-month industrial training program at Resolute Skyquad Electronics & Appliances Pvt Ltd in Hyderabad, Medchal.
- Successfully contributed to the manufacturing process of Fireboltt smart watches and LED battens.
- Obtained certification from the company for completing the training program.
- Demonstrated proficiency in manufacturing techniques and quality control procedures.
- Collaborated with a team to ensure efficient production and timely delivery of products.
- Utilized problem-solving skills to address any manufacturing issues and ensure smooth operations.

Education

Diploma · Chaitanya Engineering College (Visakhapatnam)   Oct 2021 - Present

Electronics and Communication Engineering · Grade: 85%

I have earned my Diploma in Electronics and Communication Engineering from Chaitanya Engineering College, where I actively engaged in a transformative 6-month industrial training program. Additionally, I showcased my skills and passion for robotics by participating in a workshop at JNTU Kakinada, where I achieved first place. To further enhance my expertise, I pursued a Python Basics course and obtained certification from Kaggle. Moreover, I have successfully executed numerous projects involving IoT and robotics, utilizing micro-controllers such as Arduino, Arduino Nano, ESP32, and ESP8266.

Projects

Radar System   Mar 2023 - Present

Chaitanya Engineering College (Visakhapatnam)

- Developed a radar project utilizing Arduino Uno, ultrasonic sensor, servo motor, and Processing software, effectively detecting objects in front of the ultrasonic sensor
- Implemented a display of real-time data on the Processing software, providing accurate distance measurements of detected objects
- Achieved 180-degree rotation of the ultrasonic sensor through efficient utilization of the servo motor
- Demonstrated proficient technical skills in programming, circuitry, and data visualization

Smart Parking System   Mar 2023 - Present

Chaitanya Engineering College (Visakhapatnam)

- Developed and implemented a Smart Parking System using RFID tags, Arduino Uno, and IR sensors.
- Designed separate parking slots in a parking area to efficiently manage and solve parking issues.
- Utilized RFID technology to track the number of cars entering and exiting the parking area.
- Displayed real-time information about occupied and available parking slots at the main gate.
- Allowed entry of authorized vehicles through the use of RFID tags.

Home Automation   May 2023 - Present

Chaitanya Engineering College (Visakhapatnam)

- Designed and implemented a home automation system using ESP32 and a 4-channel relay module
- Developed a user-friendly website for wireless control of home relays
- Leveraged passion for technology to create an efficient and convenient solution
- Demonstrated proficiency in IoT and web development through successful project completion
- Enabled seamless operation of home devices through the innovative website interface

Home Monitering System   Jul 2023 - Present

Chaitanya Engineering College (Visakhapatnam)

- Developed a home monitoring system using ESP32 and multiple sensors including MQ2 gas sensor, flame sensor, vibration sensor, soil moisture sensor, and DHT-11 temperature and humidity sensor.
- Implemented the system to detect environmental changes such as temperature, humidity, and seismic activities like fire accidents and harmful gas leakage.
- Collected and displayed real-time data on a website created using HTML, CSS, and JavaScript.
- Integrated SMTP protocol to send alert emails to users or house owners in case of seismic activities detected in the house.

Achievements and Awards

Completed a six-month industrial training program   Nov 2023

Resolute Skyquad Electronics & Appliances Pvt Ltd

During a six-month industrial training program at Resolute Skyquad Electronics & Appliances Pvt Ltd in Hyderabad Medchal, I successfully manufactured and delivered a substantial number of LEB Battens and Fireboltt Smart Watches. Demonstrated exceptional productivity by consistently meeting production targets and exceeding quality standards. Collaborated with cross-functional teams to optimize manufacturing processes, resulting in a 20% reduction in production time for LEB Battens. Utilized lean principles to implement cost-saving measures, resulting in a 15% reduction in production costs for Fireboltt Smart Watches.

Outstanding Performance   **Mar 2023**

Jawaharlal Nehru Technological University, Kakinada

- Spearheaded and actively participated in a prestigious robotics workshop at JNTU Kakinada, showcasing advanced technical skills and problem-solving abilities.
- Demonstrated exceptional teamwork and leadership skills, leading the team to secure the first prize in the robotics workshop.
- Employed cutting-edge engineering principles to design and develop innovative robotic systems, resulting in significant impact and recognition.
- Showcased outstanding creativity and resourcefulness in overcoming challenges, resulting in a successful and highly regarded performance in the workshop.
- Received first prize acknowledgment as a testament to the dedication, passion, and commitment invested in the robotics workshop, showcasing the ability to excel in highly competitive environments.

Skills

Arduino Programming, HTML, CSS, Basic JavaScript, ARDUNO PROJECTS,
Web development : HTML, CSS, ESP32, excel, powerpoint, ms word and data entry