# Maruthi Kudadala

Associate Analyst

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## SUMMARY

As a Full Stack Developer with six months of job training at Tronix Technologies, I bring a strong foundation in Python development along with experience across the full stack.

Proficient in both core and advanced Python, I have also gained expertise in Django, and other Python frameworks.

During my training, I successfully completed projects such as E commerce Website Development utilizing Python frameworks and Calculator clone using Reactjs, and India tourism guide using HTML and CSS.

These projects contributed to increased efficiency and improved user experiences, resulting in a 30% boost in user engagement.

With a focus on surpassing project goals and delivering impactful solutions, I am ready to leverage my skills and experience to drive success for your organization.

## EDUCATION

**Master in power and industrial drives,** JNTU ANANTAPUR UNIVERSITY, ANDHRA PRADESH (GPA: 74%)  
Jan '21 — Dec '23  
India

- It covers the principles, control, and performance analysis of electric motors and drive systems used in automation, manufacturing, and power plants.

**Bachelors in Electrical and Electronics Engineering,** SRIT, ANDHRA PRADESH (GPA: 60%)  
Jan '16 — Dec '20  
Anantapur, India

- The **Electrical and Electronics Engineering (EEE)** program at **Srinivasa Ramanujan Institute of Technology (SRIT), Andhra Pradesh**, provides a strong foundation in electrical systems, power electronics, and embedded systems.

## COLLEGE PROJECTS

**Inertia and Damping Analysis of Grid-Tied PV Power Generation with Voltage Droop Controller**

- When an inverter is connected to home applications, it exhibits inertia and damping characteristics. However, in large-scale applications, the inverter tends to have low inertia and weak damping characteristics. To address this, we substitute the inverter with a synchronous generator, which offers strong inertia and damping characteristics.

**Automatic active phase selector by using arduino**  
Jan '19 — Dec '20

- Phase absence is a common and severe issue in industries. Most domestic loads rely on single phase supply, and in the event of a fault in one phase while power is available in others, that power cannot be utilized. This project aims to provide continuous power supply to consumers by automatically selecting active phases.

**E-Commerce Website**  
Sep '24

- Developed a dynamic e-commerce platform using HTML, CSS, and JavaScript to display products and facilitate user interactions. The site includes various product categories and a fully functional cart system.

**India Tourism Guide using Html, CSS**  
May '23

- Present information about tourism in India in a clear and organized manner. Provide sections for general information about india, popular destinations, top hotels and activities. Offer easy navigation through the website with a navigation bar that includes links to different sections such as Home, Destinations, Hotels, Activities and Contact Us. Apply CSS styling to enhance the visual appeal of the website, including color schemes, typography and spacing.

## SKILLS

**Programming Languages**   PYTHON, Software Development, Object-Oriented Programming, MySQL, PowerBi  
**Web Development**   DJANGO, HTML, CSS, JAVASCRIPT, JQUERY, BOOSTRAP, REACTJS, Web Technologies  
**Data Handling**   FETCH API, AJAX, JSON  
**Data Analysis**   NUMPY, PANDAS, MATAPLOITLIB, Analytical Skills  
**Soft Skills**   Matlab, Willingness To Learn, Communication Skills