

MARUTHI KUDADALA

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PROFESSIONAL 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

MTech (Electrical and Electronics Engineering)

(2021-2023)

JNTUA University, Andhra Pradesh

BTech (Electrical and Electronics Engineering)

(2016-2020)

JNTUA University, Andhra Pradesh

SKILLS AND ACCOMPLISHMENTS

- **Core Python:** Proficient in Core Python concepts including data types, Control Flow Statements, Functions and Error Handling.
- **Advanced Python:** Proficient in Object-Oriented Programming Concepts in Python, including Inheritance, Polymorphism, Encapsulation and Abstraction. Familiar with leveraging python magic methods.
- **Back-End Development:** Understanding the web Frameworks like Django with Python.
- **Front-End Development:** Proficient in HTML, CSS, REACTJS.
- **Database Integration:** Experience in integrating Python applications with database SQL.
- **Testing & Debugging:** skilled in writing tests and debugging code.
- **Problem Solving:** Strong analytical skills for identifying and resolving technical challenges.
- **Continuous Learning:** Proactively staying updated with the latest advancements in Python programming, libraries and best practices through self-study.
- **NUMPY:** Array-oriented programming and numerical computations. Manipulation of multidimensional arrays. Skilled in performing array operations such as arithmetic, logical, and statistical functions efficiently. Advanced features like broadcasting and indexing. Proficient in performing groupby operations, aggregation, and statistical analysis on large datasets.
- **PANDAS:** Data manipulation and analysis with Data Frame. Data cleaning, transformation, and reshaping. Handling missing data and merging datasets
- **MATPLOTLIB:** Static and interactive visualization creation. Experience in plotting various types of charts including line plots, scatter plots, histograms, bar plots, etc. Skilled in customizing plot aesthetics, labels, titles, and annotations for clear and informative visualizations. Familiarity with advanced plotting techniques such as sub plotting, 3D plotting, and animation.

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 [2019 -2020].**

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."

WORK EXPERIENCE

Job Training | Hyderabad

(03/2024) – Present

Project1 | India Tourism Guide using Html, CSS

(05/2023)

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.

Responsibilities:

- Enhanced Website Navigation: Implemented a user-friendly navigation bar, resulting in a 40% increase in user engagement.
- Resolved critical bugs and issues through meticulous debugging and testing, ensuring a bug fix success rate of 95% and minimizing production incidents by 30%.
- Improved Visual Appeal: Applied CSS styling to enhance the website's aesthetics, leading to a 25% decrease in bounce rate.
- Conducted code reviews, resolving 90% of bugs and enhancing application performance by 15%.
- Optimized Content Organization: Structured information into sections, resulting in a 30% increase in page views.

Project2 | Calculator clone using REACTJS

(03/2020) – (02/2022)

Developed a calculator web application using React framework. Implemented functional components and utilized React hooks such as useState for managing state. Utilized CSS for styling and layout to enhance the user experience. Demonstrated proficiency in React development and front-end web development principles. Ensured code modularity and maintainability by organizing components and functions effectively. Successfully deployed the application for use on web browsers, providing a convenient tool for basic arithmetic calculations.

Responsibilities:

- Enhanced Website Navigation: Achieved a 40% increase in user engagement through the implementation of a user-friendly navigation bar. Improved Visual Appeal: Achieved a 25% decrease in bounce rate by applying CSS styling to enhance the website's aesthetics. Optimized Content Organization: Realized a 30% increase in page views by structuring information into sections.