Maruthi Kudadala

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OBJECTIVE

Enthusiastic and detail-oriented Post Graduation with a solid foundation in Python Full stack programming languages. A quick learner and adaptable team player, eager to leverage academicknowledge into practical skills.

EDUCATION

Post-GRADUATION

➢ Power and Industrial Drives – JNTU Anantapuram – 7.8 - [2020 – 2023]

GRADUATION

➢ Electrical and Electronics Engineering – JNTU Anantapuram – 6.1 - [2016-2020]

INTERMEDIATE

➢ Board of Intermediate Education – APSWR jr.college Kanekal – 8.45 – [2014-2016]

SSC

➢ Secondary Board of Education - APSWR jr.college Kanekal – 7.8 –[2014]

TECHNICAL SKILLS

- **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.   khhhh

- **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.**

Normally inverter is connected to home applications, it has inertia and damping characteristics. When inverter is connected to large scale application, it has low inertia and weak damping

Characteristics. So instead of inverter we using synchronous generator, it has strong inertia and

Damping characteristics.

- **Automatic active phase selector by using arduino [2019 -2020].**

Phase absence is a very common and server problem in any industries. Most domestic loads are connected to the single phase supply and if the fault occurs in any one of the phase and power is available in available in other phases, we cannot use that power. By using this project we provide

the continuous power supply to the consumers.

Internship Projects

- **Indian Tourism Guide using HTML and CSS**

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.

- **Calculator clone using Reactjs**

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.

Certificates

➢ TCS IT Employability – 3 months internship Program