






MUDAVATHU BADILI BAI

Subject Councilor

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ABOUT ME

Aspiring Data Analyst skilled in SQL, Power BI, and Excel, with a strong foundation in data visualization and reporting. Worked as a Subject Counselor at Sri Chaitanya College for 1 year, where I developed problem-solving, analytical thinking, and data-driven decision-making skills. Currently upskilling in Data Analytics to build a career in this domain.

EDUCATION

2019 - 2023

Bachelor's in Electrical and Electronics Engineering

- JNTU GV Viziannagram
- GPA: 7.2/10

2017 - 2019

12th/HSC,General

- Sri Chaitanya College,Guntur
- GPA: 8.8/10

2015 - 2017

10th/SSC,General

- KGBV,Guntur
- GPA: 8.8/10

EXPERIENCE

2024 - Present

Sri Chaitanya College

Subject Councilor

- Serving as a Section Coordinator, supporting students' academic growth and development.
- Actively addressed and resolved students academic doubts to enhance their understanding of complex course material.

2022 - 2022

TSTRANSCO

Internship at TSTRANSCO

- Gained valuable insights into electrical equipment, transformers, and control systems at TSTRANSCO's 132/33kv substation.
- Observed the essential role of substations in ensuring stable electricity distribution.
- Understood substation layout and 132/33kv transformer control circuits.
- Monitored SCADA dashboards and learned basic automation fault handling.
- Shadowed engineers in maintenance activities for voltage regulation equipment.
- Gained exposure to routine operational procedures and observed professional practices followed by substation engineers.

SKILLS

- MS Excel
- Data analysis
- SQL
- Problem solving
- Python
- MATLAB/Simulink

HOBBIES AND INTERESTS

- Painting
- Story writing
- Cooking
- Music
- Video editing
- Team sports
- Traveling

PROJECTS

Fuzzy-Based MPPT for Solar and Fuel Cell Based Bidirectional Electric Vehicle Using PMSM Drive

JNTU GV Vizianagaram | Jan 09, 2022 – Mar 11, 2023

- Designed and simulated a fuzzy logic MPPT controller in MATLAB/Simulink for a solar–fuel cell hybrid electric vehicle using PMSM drives
- Achieved a 15% improvement in energy efficiency under dynamic load conditions
- Implemented a fuzzy-based MPPT algorithm to enhance stable power transfer between solar and fuel cell sources
- Developed a bidirectional DC-DC converter to enable efficient energy flow for propulsion and regenerative braking
- Demonstrated strong skills in power electronics, control systems, and renewable energy applications through simulation

Voice-Controlled Car Based on IoT

JNTU GV Vizianagaram | Feb 06, 2020 – Aug 27, 2020

- Built an IoT-enabled voice-controlled car using Bluetooth and a microcontroller for remote mobile app operation
- Programmed voice recognition for basic commands (forward, reverse, turn, stop) to support autonomous functionality
- Enabled real-time data transmission and efficient power management, enhancing responsiveness and battery life
- Integrated obstacle-detection sensors to improve safety and avoid collisions
- Configured adaptive speed control based on environmental conditions to optimize navigation and energy usage

CERTIFICATIONS

- Solar Energy and Photovoltaic System Technologies – Alison, Nov 2024
- Solar Course for Beginners of Solar Energy – Udemy, Dec 2024
- Python Programming – Udemy, 2025
- SQL for Data Analysis – Coursera, 2025
- Data Analytics Professional Certificate – IBM via Coursera, 2025
- Data analyst in Power BI – Data Camp, 2025

POINT OF RESPONSIBILITY

ECLETIVE Fest 2023 – Event Coordinator

JNTU GV Vizianagaram | Feb 01, 2023 – Feb 10, 2023

- Coordinated and managed multiple events during the college fest, ensuring timely execution and effective planning
- Oversaw event schedules, budget allocation, and resource management to support smooth operations
- Led the organization of the dance event, handling logistics, participant coordination, and performance flow
- Ensured seamless communication across teams to deliver a successful and engaging experience for attendees

ACHIEVEMENTS

- Participated in college-level Volleyball and Kho-Kho competitions
- Cultivated teamwork, discipline, and strategic thinking by leading practice sessions and motivating teammates
- Demonstrated leadership and accountability by organizing training programs and contributing to the team's finals appearance
- Balanced a demanding sports schedule with academic excellence, showcasing strong time management and resilience

LANGUAGES

- English
- Hindi
- Telugu