Abdul Rahman
Fresher
Chennai, India

Contact information :

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Objective

Recent graduate with a passion for technology and problem-solving. Possessing a solid foundation in Python and SQL, eager to leverage analytical skills to contribute to innovative IT projects.

Education

Anna University
Bachelor of Technology in Electrical and Electronics Engineering

07/2020 - 07/2024 | CGPA: 8.2 Angelo Matric Hr Sec School

Higher Secondary Education
06/2018 - 06/2020 | Percentage: 75%

Skills and Coursework

- Programming Languages: Python, SQL, C++
- Concepts:Data Structure Algorithm , Object Oriented Programming
- Tools & Technologies:Matlab, Power Electronics , Hackathon ,Leetcode

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Projects

Personal Finance Dashboard (Python, Streamlit)

- Developed a web application to help users manage and visualize their personal finances. Implemented features to track income, expenses, and
- savings. Used Streamlit to create an interactive and user-friendly dashboard.
- Integrated data visualization libraries to present financial data in charts and
- graphs.

Weather Forecasting App (Python, APIs, Streamlit)

- Created an application to provide real-time weather updates for any location.
- Utilized APIs to fetch current weather data and forecasts.
- Designed a clean and responsive user interface with Streamlit.
- Implemented features to display temperature, humidity, and weather conditions.

Particle Swarm Optimization Algorithm for MPPT of Photovoltaic Systems (MPPT, PSO, Photovoltaic Systems)

- Developed a system using the MPPT algorithm (PSO) to optimize power output from solar panels.
- Implemented MPPT to maximize energy efficiency and system performance under varying environmental conditions.
- Provided insights into future research directions in MPPT technology for PV systems.

Automatic Bottle Filling Machine Using Arduino (Arduino, Sensors, Stepper Motors, Solenoid Valves)

- Designed and implemented an automated bottle filling system using an Arduino microcontroller and sensors.
- Developed control logic and interfaced with stepper motors and solenoid valves for precise filling operations.
- Integrated real-time monitoring and feedback mechanisms to ensure accuracy and efficiency.

Certifications

- Python Pro Bootcamp on Udemy(03/2024 - Present)
- Data Structures Course on Coursera(01/2024 - Present)

Languages

- English: Full Professional Proficiency
- Tamil: Native or Bilingual Proficiency

Additional Training

- Completed courses on Augmented Reality and Virtual Reality development through the Nan-Mudhalvan Scheme.
- Attended a two-week workshop on Machine Learning.