

# M MOULI SANKAR

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## OBJECTIVE

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To utilize my proficiency in programming languages such as Python, SQL, Java, along with my knowledge of data analysis and visualization to extract actionable insights and support data-driven decision-making. As a motivated fresher, I aim to contribute to organizational success while enhancing my technical expertise and problem-solving skills in the field of data analytics.

## EDUCATION

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**Bachelor of Computer Applications**, VIT University  
CGPA: 7.86/10

2021-2024  
Vellore,Tamilnadu

**Relevant Coursework:** Object Oriented Programming, Database Management Systems, Discrete Maths, statistics, Data Structures, Operating Systems, Computer Networks, Data Mining, Cloud Computing, Object-Oriented Analysis and Design.

## SKILLS

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<b>Technical Skills</b>	Python,, SQL, R, Java, JavaScript, HTML/CSS, Advanced Excel
<b>Tools</b>	Power BI, Tableau, Excel, Git/GitHub, VS Code , PyCharm
<b>Soft Skills</b>	Critical Thinking, Communication Skills, Problem-Solving, Time Management

## PROJECTS

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### **Autonomous Fire Fighting Robot** | *C, Arduino IDE*

- **Detection:** The robot continuously scans its environment using flame and temperature sensors. When a fire is detected, the sensors relay the information to the Arduino.
- An Arduino-based firefighting robot enhances fire safety by providing a reliable, automated system to detect and extinguish fires, potentially reducing response time and preventing the spread of fires in various environments.
- **Extinguishing:** Once in proximity to the fire, the robot activates its extinguishing mechanism to douse the flames. The Arduino controls the activation and duration of the water pump

### **Restaurant Management System** | *HTML, CSS, Javascript, Php, MYSQL, VS Code*

- The Restaurant Management System is a web-based application designed to streamline and automate various aspects of restaurant operations.
- It addresses the needs of restaurant owners, staff, and customers by providing a centralized platform to manage menus, reservations, orders, billing, and feedback.
- **Functionalities:** User Interface,Menu Management,Order Management,Table Reservation,Billing and Payments,Feedback and Reviews.

### **Railway Reservation System** | *-Oracle MySQL, Oracle Live SQL*

- The Railway Reservation System is a computerized platform designed to manage and streamline the ticket booking process for railway services. This system aims to replace traditional, manual booking methods with an efficient, automated system, ensuring improved user experience and operational efficiency.
- By utilizing Oracle MySQL, the system ensures data integrity, scalability, and efficient data retrieval for a seamless railway ticket reservation experience.
- **Efficiency:** Eliminates the need for manual ticket booking processes, saving time for both passengers and railway staff. Provides real-time updates on train schedules, availability, and ticket bookings.
- Include tools for monitoring and handling exceptions such as delays or cancellations. Provide an admin interface to manage trains, stations, schedules, and user accounts.

## CERTIFICATIONS

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- Successfully completed a comprehensive [Data Science and Hadoop](#) course conducted by the Department of Smart Computing.
- Completed Two-day workshop on the topic of [Cyber Security](#) Awareness.