MADHUBALA R

55/1B, 1ˢᵗ Main Street, North Bala Bakkiya Nagar, Thachanallur, Tirunelveli(Dt)-627001.
madhubala.engineer@gmail.com, +91 7339250787

PROFILE

To pursue a growth-oriented and intellectually stimulating career where I can apply my knowledge and skills to contribute meaningfully to academic and research advancements, while continuously enhancing my expertise through learning and collaboration.

EDUCATION

M.E-COMPUTER SCIENCE AND ENGINEERING   **Sep2023-May2025**

National Engineering College, Kovilpatti.
CGPA : 9.02

B.E-COMPUTER SCIENCE AND ENGINEERING   **Aug2018-Sep2022**

Hindustan Institute of Technology, Coimbatore.
CGPA: 8.42

HSE   **Jun2016-May2018**

Vedic Vidyashram CBSE School,Tirunelveli.
CGPA: 59.06

SSLC

                                                                                                                 Jun2015-May2016

Vedic Vidyashram CBSE School,Tirunelveli.
CGPA: 94.01

TECHNICALSKILLS

- Proficient in programming using C and Python.
- Skilled in SQL for effective database design and management.
- Experienced with data visualization using Power BI.
- Familiar with database access and analysis.
- Proficient in MS Word for documentation and reporting tasks.

CURRICULUM PROJECTS

UG : Project Title

- **FarmFresh.**
  Developed a ecommerce website with the integration of Google maps to navigate agricultural land and sell farm products directly to the consumer.

PG : Project Title

- **EDUVERSE: Inclusive and Immersive Metaverse Learning Environment for Education.**
  Developed metaverse platform named Eduverse, a VR-based learning platform with TTS and STT integration, enabling immersive classrooms that enhance engagement, participation, and inclusivity for students with disabilities.

- **Attention Contours: A Comparative Study on 2D and Virtual Reality Attention Profile Assessment Tests.**
  Developed platform were VR-based Attention Contours for ADHD assessment, providing more engaging and accurate evaluations than traditional 2D methods, with user trials showing higher focus and strong preference for the VR format.

PUBLICATIONS

- **EDUVERSE: Inclusive and Immersive Metaverse Learning Environment for Education.**
  Published in the *2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science (SCEECS)*, held in Bhopal, India, on 18–19 January 2025, and published to IEEE Xplore on 02 April 2025.

- **Attention Contours: A Comparative Study on 2D and Virtual Reality Attention Profile Assessment Tests.**
  Published in the *2024 5th International Conference on Data Intelligence and Cognitive Informatics (ICDICI)*, held in Tirunelveli, India, on 18–20 November 2024, and published to IEEE Xplore on 31 December 2024.

WORK SHOP ATTENDED

FDP   **Oct-2024**

- Attended a Machine Learning and Deep learning FDP hands on and theory session conducted by NIT Trichy (Online).

Hands on theory   **Oct-2023**

- Attended a Moodle Open Source Management System, conducted by National Engineering College.

CERTIFICATIONS

- Completed NPTEL course on introduction to industrial   **April(2024)**
  safety4.0 and industrial internet of things.
- Completed Business Intelligence using Power BI.   **Dec(2023)**
- Undergone In-plant training in fundamentals of Telecom at BSNL.   **Nov(2017)**
- Completed course in SQL,PYTHON Applications at SoloLearn.   **Sep(2016)**

MINIPROJECTS

- **Power BI: Created Super store Dashboard**
  Created an interactive Superstore Sales Dashboard in Power BI with dynamic charts and filters to visualize sales, profit, and regional performance.
- **Priority range tree in voting system**
  Implemented a Priority Range Tree data structure for efficient multidimensional range queries with priority based retrieval with large data sets.

AREAOFINTEREST

- Network security and Virtualization Technologies
- Object-Oriented Programming and Data Structures

PERSONALDETAILS

Father's Name   :Mr.S.Raj
Date of Birth   :16-Dec-2000
Age   :25
Gender   :Female
Marital Status   :Unmarried
Hobbies   :Drawing and Painting
Languages Known   :English and Tamil.

DECLARATION

 I sincerely proclaim that the above particulars of facts and information stated are true, correct and complete to the best of my belief and knowledge.

Madhubala R