**Muhammadu Haarish S**

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Portfolio Link: <https://smhaarish383.github.io/PortFolio/>

**Objective**

A highly motivated and adaptable fresher eager to launch an entry-level career by leveraging my skills in Java, JDBC, and front-end technologies. Committed to continuous learning and contributing effectively to innovative projects in a dynamic environment.

**Education**

* Mahendra Institute of Technology CGPA: 8.00 BE.ECE Graduation: July 2024
* Government Boys Higher Secondary School Percentage: 51% State Board, Tamil Nadu (2019-2020)
* St Antony's Higher Secondary School Percentage: 76.6% State Board, Tamil Nadu (2017-2018)

**Course**

**Java Course | Uniq Technology – T.Nagar Road, Barathy Nager, chennai.  
*April 2025-currenty Studying***

* Learned basic and core concepts of Java programming, including object-oriented principles, exception handling and Multi-threading concepts.
* Gained foundational understanding of Java syntax and program structure through hands-on practice.
* Introduced to common development tools and environments used in Java programming.

**Skills**

**Front-end:** HTML, CSS and Basic of JavaScript

**Back-end: Java (Stranded Edition) –** OOPS Concepts, Exception Handling, Multi-threading.

**Tools:** Git and GitHub, Eclipse IDE, VS Code.

**Workshops**

**Machine Learning Workshop** | IIT Chennai. Gained hands-on experience with ML algorithms, contributing to improved model-building capabilities.

**Project Management in Agile Methodology** | Karpagam Engineering College. Developed skills in Agile project planning, sprints, and efficient team collaboration.

**Project**

**Multi-Threaded Bus Seat Booking System in Java**

**Tools: JAVA | Thread | synchronization | Thread communication**

**Description:**

* Developed a **Java-based console application** that simulates real-time bus seat booking with multiple users using **multithreading** and **thread synchronization**.
* Implemented synchronized, wait(), and notifyAll() mechanisms to ensure **thread-safe booking** and **seat cancellation** operations. Designed custom threads to represent users attempting to book or cancel seats simultaneously, accurately handling race conditions and resource contention.
* Enhanced program robustness by applying best practices such as avoiding recursive waits and using proper thread communication strategies.