

NETHRA HARINI M

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PROFESSIONAL SUMMARY

Aspiring Software Developer and Data Science Enthusiast with hands-on experience in full-stack development, RESTful APIs, and database management systems. Proficient in Python, Java, SQL, and skilled in designing scalable web applications using frameworks like React and Node.js.

SKILLS

- Languages: Python, Java, JavaScript, SQL
- Web & Frameworks: Flask, React, AngularJS, Node.js, Express.js
- Databases: MongoDB, MySQL
- Data Science & ML: TensorFlow, Scikit-learn, Pandas, Matplotlib
- Tools: Git, GitHub, Docker, PowerBI, Excel

PROJECTS

WasteLinkIt

- Developed a web platform for sustainable waste management, allowing producers and buyers to connect through a centralized system. For prediction and analytics, I used an **LSTM model** built with **TensorFlow**, and for interactive visualizations, I used **Matplotlib** and **Pandas**. The frontend was designed with **HTML**, **CSS**, and **Bootstrap**, while backend logic and demand forecasting relied on machine learning workflows.

EchoVerse

- Built a Discord-inspired chat application for gaming communities, supporting real-time messaging across multiple chat rooms. I implemented WebSocket communication using **Socket.io**, and built the backend with **Node.js** and **Express**. The responsive user interface was developed using **React**, styled with **CSS**, and hosted on a temporary server environment.

Virtual SuperMarket

- Created a full-stack shopping cart application using the **MEAN stack**, supporting product browsing, user login, and order placement. I used **AngularJS** and **TypeScript** to build reusable frontend components, and developed secure backend APIs using **Node.js**, **Express.js**, and **MongoDB**. Session handling and authentication were managed using **JWT tokens**, ensuring secure user access and order flow.

PARTICIPATIONS & ACTIVITIES

HyperVerge SensAI Hackathon

May. 2025

- Participant – 30-hour onsite hackathon focused on AI-based solutions.

Ideathon

Oct. 2024

- Participant – Proposed a real-time public transport tracking (ECEG – Easy Come, Easy Go) system.

CERTIFICATIONS

- Python, SQL – HackerRank
- Data Visualization (Tableau, PowerBI) – Tata Visualization
- Oracle Database Associate – Oracle

EDUCATION

Coimbatore Institute of Technology, Coimbatore

2024 - Present

- Master of Computer Applications CGPA: 8.05

P.S.G College of Arts and Science, Coimbatore

May 2024

- Bachelor of Computer Applications CGPA: 7.9/10