

# NEHAA VAIRAVEL

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## Education

<b>B.E CSE(AI &amp; ML)</b> Paavai Engineering College	<b>(2023 – Pursuing)</b> CGPA 8.99
<b>XII</b> Geethaanjali All India Senior Secondary School, CBSE	<b>(2022 – 2023)</b> Percentage 71.6
<b>X</b> Geethaanjali All India Senior Secondary School, CBSE	<b>(2020 – 2021)</b> Percentage 74.4

## Experience

<b>MERN STACK, SPARKOUT TECH PRIVATE LIMITED</b>	<b>(JUN 2025 – JUL 2025)</b>
<ul style="list-style-type: none"><li>Designed and developed responsive UI components to enhance user experience across multiple devices.</li><li>Worked on MERN Stack Development projects including front-end using React.js</li></ul>	
<b>PLACEMENT COORDINATOR</b>	<b>(2023 – Present)</b>
<ul style="list-style-type: none"><li>Developing leadership, communication, and time management skills by managing multiple responsibilities alongside academics.</li><li>Coordinating placement activities for the department, liaising between recruiters and students.</li></ul>	

## Certifications

<b>Generative AI Workshop</b> PSG College of Technology   5.10.2024 – 6.10.2024
<ul style="list-style-type: none"><li>Explored use cases of Generative AI in image generation, text summarization, and creative AI solutions.</li></ul>
<b>Web Development Workshop</b> NIT Trichy   7.03.2025 – 9.03.2025
<ul style="list-style-type: none"><li>Attended a three-day workshop on Web Development, focusing on both front-end and back-end technologies.</li><li>Learnt HTML, CSS, and JavaScript fundamentals for designing responsive and interactive web pages.</li></ul>
<b>Cloud Computing (12-week course)</b> NPTEL   Completed with 66%
<ul style="list-style-type: none"><li>Completed a 12-week NPTEL certification course on Cloud Computing, gaining in-depth knowledge of cloud service models and deployment strategies.</li></ul>

## Projects

<b>Sign Language Recognition for First 12 Tamil Letters</b>   Python, OpenCV, MediaPipe, Teachable Machine
<ul style="list-style-type: none"><li><b>Python &amp; OpenCV:</b> Used for real-time image capture, processing, and hand landmark detection.</li><li><b>MediaPipe:</b> Implemented for efficient hand gesture detection and data collection pipeline.</li><li><b>Teachable Machine (Google Tool):</b> Utilized for training the classification model with an approximate solution accuracy of <b>60–70%</b> for recognizing the 12 Tamil sign language letters.</li></ul>
<b>Signup and Login Page Development</b>   HTML, CSS, Bootstrap
<ul style="list-style-type: none"><li><b>Created responsive signup and login pages</b> using HTML for structure and CSS for styling.</li><li><b>Implemented Bootstrap components</b> to design clean, user-friendly forms with enhanced UI elements.</li></ul>

## Skills & TechLearning

## Core Concepts

## Soft Skills

Javascript	OOPS	Adaptability
SQL	DS	Team Work
Python	DBMS	Fast Learning
HTML,CSS	OS	Time Management
Bootstrap		Leadership