VISHNUPRIYA H

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Education

Saranathan College of Engineering   **2020 - 2024**
Bachelor of Engineering in Electronics and Communication - cum. GPA:8.5/10.0   *Tiruchirappalli, TN*

Technical Skills

Languages: Python, SQL, Excel
Technical Skill: HTML, CSS, JavaScript, TypeScript
Frameworks : Angular, Vue.js, jQuery
Libraries : React.js
Developer Tools : Bootstrap, Node.js, Git, VSCode
Operating System: Windows

Soft Skills

- Communication
- Active Listener
- Adaptability
- Singing
- Task management
- Digital Drawing
- Photography

Projects

Tin dog | *HTML, CSS, Bootstrap* | https://vishnu-tindog-web.netlify.app/   **08/2024**
- Developed **responsive, user-friendly web pages** using **HTML5, CSS3, and Bootstrap**, ensuring **cross-browser compatibility** and mobile-first design.
- Implemented features for **maximum speed optimization** and ensured **SEO best practices** were followed to enhance online visibility.
- **Debugged and troubleshot** issues during development, ensuring high-quality deliverables.
- Created **interactive prototypes** and **mockups** for new features, aligning with **brand consistency** and design standards.

Honey Adulteration Using machine Learning For CNN | *Python, TensorFlow, CNN, Machine Learning*   **05/2024**
- Developed a **Convolutional Neural Network (CNN)** model using **Python** and **TensorFlow** to detect **honey adulteration** with high accuracy.
- Applied **thermographic image analysis** for **rice syrup adulteration** detection, achieving 95 percent classification accuracy in differentiating pure and adulterated honey samples..
- Implemented custom **CNN architectures** for detecting subtle **temperature-based anomalies** in thermal data, optimizing performance using **cross-validation** and **model optimization** techniques.

Simon game | *HTML, CSS, Javascipt* | https://vishnusimongame.netlify.app/   **09/2023**
- Developed a **Simon Game** using **HTML, CSS, and JavaScript**, incorporating **user interaction** and **responsive design** for an engaging gameplay experience.
- Enhanced gameplay with **CSS animations** and transitions, ensuring smooth and responsive user interactions.
- Implemented **game logic** and **event-driven programming** to manage game states, randomized sequences, and user feedback through sound and visual cues.

Smart Dustbin | *Python, Arduino board, Sensors, Actuators, Matlab*   **11/2022**
- Developed an automated smart dustbin system utilizing Python and Arduino to enhance waste management efficiency.
- Orchestrated the system architecture, ensuring efficient communication between hardware components via the Arduino.
- Implemented a low-power mode to extend battery life, improving operational efficiency by 20 percent.

Competition / Certification

- **Level 1.1:E-Commerce Tech Quiz** | Participated in Flipkart GRiD 5.0- Software Development e-Commerce Quiz.
- **Smart India Hackathon** | Participated in smart india hackathon -2022 (Facial reconization)
- **Google Digital Unlocked** | Google(Fundamental of Digital Marketing) **2022**
- **Intro to Software Engineering Virtual Experience Program** | Cisco (Forage) **2023**
- **Data Science Simulation** | BCGX(Forage) **2024**
- **Data Visualisation: Empowering Business with Effective Insights** | TATA(Forage) **2024**