Vignesh N

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EDUCATION

Dayananda Sagar College of Engineering   June 2024
Bachelor's of Engineering in Computer Science   *GPA: 7.8/10*
St.Joseph's Pre University College   June 2020

SKILLS

Technical Skills: JavaScript, Node.JS, Express.JS, MongoDB, Python, HTML, CSS, Tailwind CSS, C/C++

Awards: Best Project Award on Project Open Day, Secured 2nd place in hAIothon (college hackathon)

EXPERIENCE

Centre for Artifical Intelligence and Robotics (CAIR), DRDO   Feb. 2024 – May. 2024
Software Development Intern
Conducted a Comparative study of Deep Learning models like MobileNetV2, Xception, VGG-16, Vision Transformers for image classification of ships.

PROJECTS

Rhythmix   ⭘
- Rhythmix is a modern and responsive music player designed to deliver a high-quality audio experience across various devices, including desktops, tablets, and mobile phones.
- Implemented a responsive layout to ensure the player adapts to different screen sizes.
- Learnt how to use Javascript to implement logical use cases.
- Languages and platforms used- HTML, CSS, Javascript, Figma.

X.com UI Clone   ⭘
- Built a fully responsive and mobile-friendly X.com user interface clone using HTML and Tailwind CSS, ensuring that it adapts smoothly to any screen size, from smartphones to desktops.
- The project is scalable with a modular design, utilizing Tailwind CSS's utility-first approach to maintain clean, maintainable code that can be easily extended for additional features or new pages.
- The application is deployment-ready, optimized for performance, accessibility, and cross-browser compatibility, allowing seamless integration into various hosting environments without the need for major modifications.
- Languages and platforms used- HTML, Tailwind CSS, Figma

Netflix UI Clone   ⭘
- Developed a responsive clone of the Netflix login page using HTML, CSS and Figma
- The project focused on accurately replicating the design, layout, and user interface of the original Netflix homepage.
- Learnt how to develop professional and aesthetically pleasing UI for websites using various elements of HTML and CSS by using Figma
- Languages and platforms used- HTML, CSS, Figma.

Comparative Study of Deep Learning Models For Ship Classification   ⭘
- Developed Deep learning models like MobileNetV2, Xception, VGG-16, Vision Tranformer for ship classificaton using python and its libraries
- Conducted a detailed comparative study in the models by evaluating their classification accuracy, computational efficiency

Smart Parking System using RFID and Blynk   ⭘
- A smart parking system which transmits real time parking data to users through an app
- Worked with hardware components including micro controller, RFID sensors and tags, Servo motors, IR sensors
- Learnt interfacing the micro controller and all the other hardware components
- Languages and platforms used- C++, Arduino IDE, Blynk