ANUSRI SURESH

✉ anusrisuresh2611@gmail.com 📞 8940793531 📍 Salem, India

in linkedin.com/in/anusri-s-a93470306 ⚙ github.com/Anu2046

PROFILE

Aspiring web developer and designer with a passion for UI/UX design, focused on creating engaging digital experiences. Leveraging my creativity and problem-solving skills, I design user-centric web pages and applications that enhance usability. I actively seek opportunities to expand my knowledge in front-end development and design tools, aiming to contribute innovative solutions. My attention to detail ensures high-quality outcomes that meet user needs and organizational goals.

EDUCATION

Bachelor of Technology in Computer and Communication Engineering   2022 – present
Amrita School of Engineering   Chennai, India
CGPA 8.8

Schooling   2008 – 2022
Emerald Valley Public School   Salem, India

PROFESSIONAL EXPERIENCE

UI/UX Design & Web Development Intern   05/2024
CodSoft
- Designed wireframes, prototypes, and visual mockups for various projects utilizing Figma.
- Developed engaging websites to enhance user interaction and engagement.

Web Development Intern   05/2024
Prodigy InfoTech
Incorporated HTML, CSS, and JavaScript to develop visually appealing projects that effectively engage users.

Web Development & Web 3 Intern   05/2024 – 06/2024
Cognizance (IIT Roorkee)
- Developed a website for an electric vehicle company as a component of my major project.
- Executed a minor project that concentrated on Web 3 technologies, specifically focusing on the application of Bitcoin.

PROJECTS

MediAid: Automatic Healthcare and Smart Medicine Dispenser   2025
Designed to support elderly and bedridden patients. Integrated ESP32 with biomedical sensors to track vital signs, triggering anomaly-based SMS alerts via Twilio. Engineered a servo-controlled dispenser linked to Firebase prescriptions for precise, scheduled medication. Leveraged ThingSpeak and an IoT dashboard for centralized visualization and ECG waveform analytics. Delivered a scalable solution that improved emergency response time, medication adherence, and remote patient supervision. Strengthened expertise in embedded systems, sensor integration, cloud platforms, and real-time communication and end-to-end IoT solution development.

Custom-Designed Deep Learning Model for Feature-based Mineral Classification   2024
Engineered a custom CNN-based system for mineral classification using a dataset of 1,000 images, achieving 92% accuracy. Enhanced performance to 100% through ensemble learning with MLP stacking. Leveraged LBP and DWT for feature extraction, SLIC segmentation for preprocessing, and Bayesian optimization for hyperparameter tuning. Conducted comparative analysis with SVM, KNN, and Random Forest to validate feature importance. Strengthened expertise in deep learning, ensemble models, and end-to-end AI system design.

IoT-Powered Indoor Environmental Monitoring System with Real-Time Analytics
2024

Designed and implemented a comprehensive IoT-based environmental monitoring system to track and analyze indoor conditions in real time across multiple locations. Leveraged embedded hardware and sensor networks to collect critical environmental data, paired with a cloud-based platform for centralized data storage, visualization, and remote access via a custom-built Android app (*EnviroLens*). The system identified critical trends, such as CO_2 levels exceeding 200 ppm in poorly ventilated areas, enabling data-driven decisions for healthier indoor spaces. Developed strong technical competencies in IoT system architecture, wireless sensor networks, cloud integration, and app development.

Mine Exploration Robot
2024

Developed a robotic system utilizing Arduino Uno that incorporates integrated sensors for environmental monitoring, navigation, and object manipulation. Successfully achieved autonomous functionality for path navigation, gas detection, and robotic arm control. Acquired expertise in sensor integration, feedback loops, and real-time communication, thereby enhancing problem-solving and decision-making capabilities in embedded systems.

Cattle Skin Disease Classification using Deep Learning
2024

Established a transfer learning model using MobileNetV2 to analyze cattle images for skin disease detection, achieving up to 91% accuracy. Integrated MobileNetV2 with CNN and SVM classifiers for validation and testing, optimizing classification methods. By analyzing key performance metrics, the model proved to be an effective tool for disease detection.

Assembly Line Automation System
2023

Designed an automated assembly line system with a robotic arm for autonomous path navigation, obstacle detection, and removal, integrated with a web server for manual control to enhance product handling efficiency. Scoped for scalable industrial applications, achieving seamless automation and manual intervention capabilities. Gained expertise in robotic arm control, web server integration, and automation workflows.

Safety Systems in Cars
2023

Devised a safety system to detect dangerous gas levels inside vehicles, featuring LEDs and LCD displays for real-time safety status indication. Designed for scalable implementation in automotive safety systems to enhance passenger protection. Successfully achieved accurate gas level detection and intuitive visual alerts.

Pac-Man Game
2023

Formulated a maze arcade game in C programming, where Pac-Man navigates a maze, avoids enemies, and collects points. Designed the game for interactive entertainment, incorporating logic for enemy movement and point tracking. Successfully implemented core game mechanics, enhancing user engagement. Gained proficiency in C programming, algorithm design, and game logic development while improving problem-solving and debugging skills.

SKILLS

Web Development | HTML, CSS & JavaScript | UI/UX Design | Python | C Programming | Figma | Canva | Visual Studio Code | Android Studio | Arduino IDE/Processing IDE | MATLAB | Interpersonal Skills | Communication Skills | Presentation Skills | Organizational Skills | Project Management

COURSES

Data Science For Engineers
03/2024

IIT Madras

AWARDS

Academic Excellence
2023

Amrita Vishwa Vidyapeetham
Honored for attaining the second highest position in academic performance.

Academic Excellence
Emerald Valley Public School
Recognized for exceptional academic performance throughout the academic year.

ORGANIZATIONS

Amrita Vishwa Vidyapeetham   2023
Volunteer
Contributed to the provision of essential services as part of the medical campaign.

Emerald Valley Public School   2018
Event Organizer
Organized an inter-school competition event.

Emerald Valley Public School
Conducted a campaign to advocate against deforestation

Emerald Valley Public School
Conducted maintenance efforts by cleaning the lake park to enhance its cleanliness
and overall environmental health.

INTERESTS

Cyber Physical Systems | Design | Organization | Reading | Creative Writing

LANGUAGES

English | Hindi | Tamil | Telugu