KARTIK JOSHI

H. No. 538 (EWS), 3rd Cross, Navanagar, Hubballi - 580025

📞 9986762025 ✉ kartikjoshi2025@gmail.com 🔗 linkedin.com/in/kartiksjoshi24 ⊙ github.com/KSJ2025

Education

KLS Vishwanathrao Deshpande Institute of Technology **Dec 2021 – Present**
Bachelor of Engineering in Electronics and Communication, CGPA - 7.54 *Haliyal, Karnataka*

K.L.E Society's C.I.Munavalli Polytechnic **July 2018 – Sept 2021**
Diploma in Electronics and Communication,CGPA - 8.56 *Hubli, Karnataka*

Relevant Coursework

- Data Structures
- VLSI
- Frontend Development
- Signals and Systems
- PCB Designing
- MATLAB
- Digital Systems Design
- Computer Architecture

Projects

An intelligent farming for early disease detection using CNN | *Python, Thingspeak, AWS, OpenCV* **April 2022**
- Scored first position in the presentation and got selected for the second round for product development
- Framing has seen a number of technological transformations in the last decades, becoming more industrialized and technology driven.
- By using this project, framers will gain better control over the process of raising livestock and growing crops, making it more predictable and efficient.
- A CNN is a deep learning algorithm composed of multiple convolutional layers, pooling layers, and fully connected layers.

StudyMate: A One-Stop Academic Platform | *HTML, CSS, Python(FLASK), AWS* **October 2023**
- Created an Website using HTML,CSS and Python to enable seamless access to notes,textbooks and marks for students
- "StudyMate; A One-Stop Academic Platform" is a solution, for education that addresses the challenges faced by both students and administrators.
- This all in one platform streamlines the management of resources offering real time access to exam results, effective communication and efficient retrieval of learning materials.
- It features portals for administrators and students making content management easier while providing access to results and enhancing the user experience with timely notifications.

SolarGrow: Advancing Agriculture with Solar Smart Irrigation | *ESP8266* **July 2023**
- SolarGrow is an innovative project developing a smart irrigation system powered by solar energy and integrated with IoT technology.
- Utilizing soil moisture sensors, weather forecasting, and automated controls, SolarGrow optimizes water usage, reduces environmental impact, and enhances crop yields in agriculture.
- With its scalable design, mobile app control, and emphasis on sustainability, SolarGrow aims to revolutionize farming practices, offering an eco-friendly solution that addresses water scarcity challenges and promotes a more sustainable future for agriculture.

Application Controlled Robotic arm | *Arduino* **October 2020**
- Designed and built a prototye of 5-axis robotic arm with 5 degree of freedom
- Initiated the project by conceptualizing the application-controlled robotic arm to meet specific industry or personal needs.
- Ensured seamless communication between the application interface and the robotic arm through a microcontroller, utilizing industry-standard communication protocols.
- Utilized a user-friendly mobile or desktop application to control the robotic arm's movements, enabling users to manipulate its actions effortlessly.

Technical Skills

Languages: Python, C, HTML/CSS, SQL, Verilog
Developer Tools: VS Code,PyCharm, Ki-Cad, Xilinx, Cadence
Technologies/Frameworks: GitHub, VLSI

Leadership / Extracurricular

IEEE Student Branch Maestro **Winter 2023 – Winter 2024**
Chair person *KLS VDIT*
- In my role as the IEEE chair for the student branch, I held a position of great responsibility and played a pivotal role in enhancing the academic experience of my peers.
- As a dynamic leader, I spearheaded the organization and coordination of a diverse array of technical events, workshops, and guest lectures.
- These initiatives were meticulously designed to provide students with opportunities for hands-on learning, exposure to cutting-edge technologies, and insights from industry experts.