Aryavhir Koul

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EDUCATION

Jawaharlal Nehru Technological University Hyderabad College of engineering Jagtyal, Telanga , India   Dec 2020 - June 2024
Bachelors of Technology in Information Technology   GPA: 7.0/10.0

K.C. Public school, Jammu , India
Schooling under CBSE board

PROJECTS

Blockchain Based Voting App ☑   Feb 2024 - Apr 2024

- Implemented Secure Voting Mechanism with **smart contracts** using **Solidity** for recording votes using **Remix studio**

- Deployed contract on **SepoliaETH** test network to record vote counts instead of actual votes to enforce privacy.

- Testing the deployment of the contract was done through **Ganache**.

- Designed intuitive **React-based** user interface with radio buttons for streamlined party selection.

- Integrated robust error handling for invalid login attempts, enhancing system integrity.

IOT based Automatic plant watering system using Arduino UNO board   Mar 2023 - Nov 2023

- Engineered **Arduino-based** smart irrigation system with soil moisture sensing for **automated plant watering**.

- Implemented user-configurable moisture thresholds, optimizing water usage and plant health.

- Integrated **water pump control system** for precise, automated irrigation based on real-time soil conditions.

- Incorporated LCD interface for **live monitoring** of soil moisture levels and system status.

- Developed **modular, scalable code** for system control, enhancing maintainability and future expansion.

TECHNICAL SKILLS

Programming languages: Primary(Swift, React.js, React Native**) Secondary(** Go **)**

Web Technologies: HTML, CSS

Miscellaneous: Git, Latex, Figma, Sql

Cloud Platforms: Amazon Web Services

CERTIFICATIONS RECIEVED (ONLINE COURSES)

- **Programming Fundamentals in Swift** ☑

- **React.js** ☑

- **Mobile Development and JavaScript** ☑

- **Principles of UX/UI(Figma)** ☑

- **Advanced Programming in Swift** ☑

- **Version Control** ☑

- **Introduction to iOS Mobile Application Development** ☑