POOJA JOSEPH

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OBJECTIVE

Motivated and enthusiastic with a strong passion for problem-solving and technological innovations,eager to contribute and learn in a forward-thinking environment that offers optimal chances to develop my abilities and make meaningful contributions to their advancement

EDUCATION

NSS College of Engineering,Palakkad **2020-2024**
BTech in Electronics and Communication *8.16*

St Marys C.G.H.S.S,Ernakulam **2018-2020**
Biomaths *98*

Don Bosco Senior Secondary School,Vaduthala **2018**
ICSE *93.5*

TECHNICAL SKILLS

Programming Languages: Python, C,Java,Javascript
Circuit Designing tools Proteus,LtSpice
Data Analysing tools Excel,SQL
ML Architectures: YOLO

PROJECTS

- **Deep Learning based Floating Debris Detection**: Developed a deep learning based floating debris detection model using YOLOv3 and its performance was examined under the guidance of faculties from IIT,Palakkad.
- **Grievance Management System** :Built using React.js for the frontend, Java (Spring Boot) for the backend, and PostgreSQL for database management, with features like secure user authentication, real-time status updates, and role-based access control.
- **Her-day: telegram bot**: Using the concepts of python,git and GitHub ,created a complete menstrual tracker and an alert giving telegram bot.
- **Calculator using HTML,CSS and Js**:Designed a user-friendly calculator interface using HTML, CSS, and JavaScript, featuring responsive design and intuitive functionality for basic arithmetic operations.

INTERNSHIP

Vikram Sarabhai Space Centre **June 2023**
Thumba Equatorial Rocket Launching Station[TERLS]

- Gained hands-on experience with MVIT, a comprehensive approach to verifying and integrating microelectronic devices, covering design, fabrication, assembly, and testing. Learned about the reflow soldering technique for attaching surface mount components to PCBs, as well as EMI testing to ensure electromagnetic compatibility of devices. Utilized TDR and FDR techniques to measure and identify faults in transmission lines, enhancing understanding of electrical engineering diagnostics.

CERTIFICATES

Programming with JavaScript - META **11/2024**

Essential Mathematics for Machine Learning-IIT,Roorkee **07/2022-09/2022**

SQL and Relational Database 101-IBM **07/2024**

ACHIEVMENTS

- Actively engaged in Tink-Her-Hack, the prominent women-only hackathon in Kerala, hosted by the Tinkerhub foundation.
- Showcased proactive and dedicated engagement through volunteering, for the effective implementation of a carbon-neutral survey in Akathethara Panchayat,Palakkad.