Monika DS

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Objective

.Motivated and enthusiastic engineering fresher seeking an entry-level position to learn, grow, and contribute to the organization. Eager to apply my academic knowledge and develop new skills through practical experience and also develop technical and professional skills, and contribute to the growth of the organization.

Education

- **Kalpataru Institute of Technology**   2022-2026
  Bachelor of Engineering(BE)
  7.0

Projects

- **Unmanned petrol bunk using RFID**
  Built an unmanned fueling system using RFID tags/readers, a microcontroller (Arduino/Raspberry Pi), flow sensors and an electronic shutoff to automate vehicle authentication and dispensing

  Developed a web dashboard and REST API for remote monitoring, alerts (low fuel / faults), and daily reconciliation.

  Technologies: RFID, Arduino/Raspberry Pi, MQTT/HTTP, SQLite/MySQL, HTML/JS dashboard, basic encryption for credentials.
- **FarmoSynchro– Contract Farming Website**
  Technologies Used:HTML, CSS, JavaScript, React.js (Front-end), Node.js (Back-end), Express.js, MongoDB

  Designed and implemented the user interface using React for an interactive and responsive experience.

  Built RESTful APIs using Node.js and Express.js for smooth communication between frontend and backend.

Technical Skills

- Programming Languages: Basics of C, Basics of Python,
- Web Technologies: Basics of HTML, Basics of CSS, Basics of React.js
- Database Management: Basics of MySQL
- Embedded Systems: Arduino, ESP32,Raspberry Pi, Embedded C

Soft Skills

- Effective communication
- Presentation skill
- Team work and collabaration
- Self motivated

Hobbies

- Learning emerging technologies and working on mini automation projects
- Participated in hackothans
- Watching engineering documentaries or tutorials
- Volunteering or teamwork activities
- Listening to podcasts on innovation and startups
- Exploring new technologies