Alkesh Shukla

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GitHub: https://github.com/shuklaAlkesh

EDUCATION

Indian Institute of Information Technology Sricity   Chittoor, Andhrapradesh
Department of Electronics and Communication Engineering ; SGPA: 8.72   *Aug 2021 - present*

St.Joseph International School Jhalawar,Kota   Rajasthan,, India
Class:12th; percentage: 88.6   *March 2019 - July 2020*

S.J.S Public School,Gauriganj,Amethi   Uttar Pradesh, India
Class:10th; percentage: 79.6   *March 2017 - July 2018*

SKILLS SUMMARY

- **Languages:** C++, Python, C, Data Structures and Algorithms, SQL, HTML5, CSS, JavaScript, Node.js, Express.js, React.js
- **Tools**: Visual Studio Code, Ubuntu, Jupyter Notebook, MATLAB, LTspice, Eagle Autodesk

EXPERIENCE

Hindustan Aeronautics Limited   Korwa, Uttar Pradesh
Summer Intern   *June 2023 - July 2023*

- Actively contributed to the assembly and testing of SU 30K aircraft.
- Attained practical exposure to Opto Locator Systems (OLS), Unmanned Aerial Vehicles (UAVs), and project management.
- Developed hands-on expertise in aircraft assembly techniques and testing.
- Demonstrated proficiency in implementing quality control procedures for aerospace manufacturing.

PROJECTS

Hospital Management Software   OOP project
Course Project Supervisor: Dr. Pavan Kumar BN   *Sep 2022 - Oct 2022*

- Developed a maintainable and efficient hospital management system using C++.
- Implemented a real-time database solution using SQLite for data storage and retrieval.
- Designed and implemented user-friendly access criteria algorithms for hospital management and public users.
- GitHub Repository: https://github.com/shuklaAlkesh/Hospital-Management-system-C–oops-project.git

Color Sorting Machine   ES project
Course Project Supervisor: Dr. Raja Vara Prasad   *Sep 2022 - Nov 2022*

- Designed and implemented a color sorting machine for the food manufacturing industry.
- Integrated sensors for accurate color detection, object count, and weight measurement.
- Developed a hardware model using Arduino Uno, Raspberry Pi, and sensor modules.
- Implemented efficient embedded C code for reliable performance.
- Created a companion mobile application for real-time monitoring and notifications.
- GitHub Repository:
  https://github.com/shuklaAlkesh/colour-sorting-and-weighing-machine_embedded_system_project-.git

EXTRACURRICULAR ACTIVITIES

- Public Relations and Hackathon team member in IOTA Club, IIIT Sricity.
- Organized technical events, fostering knowledge sharing and skill development.
- Promoted diversity and inclusivity through cultural events.
- Participated in hackathons, showcasing problem-solving and teamwork skills.
- Volunteered for community programs and donation drives.

HONORS AND AWARDS

- Achieved 2nd place in the inter-school Badminton competition held at Hindustan Aeronautics Limited Korwa in 2018, showcasing exceptional sportsmanship and skill.