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 ; CGPA: 8.2 — *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*
  - Contributed actively to the assembly and testing of SU 30K aircraft.
  - Gained 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

- Contributed as a Public Relations and Hackathon team member in IOTA Club at IIIT Sricity.
- Organized and facilitated technical events to promote knowledge sharing and skill development.
- Organized cultural events that celebrated diversity and fostered inclusivity.
- Highly motivated to demonstrate problem-solving and teamwork skills through active participation in hackathons.
- Volunteered for community programs and actively supported 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.