Alkesh Shukla

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EDUCATION

- **Indian Institute of Information Technology Sricity** — Chittoor, Andhra Pradesh
  *Bachelor of Technology in Electronics and Communication Engineering; **CGPA: 8.2*** — Aug 2021 - Present
- **St. Joseph International School, Jhalawar, Kota** — Rajasthan, India
  *Higher Secondary Education (Class: 12th); **Percentage: 88.6*** — March 2019 - July 2020
- **S.J.S Public School, Gauriganj, Amethi** — Uttar Pradesh, India
  *Secondary Education (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
  - Significantly contributed to the assembly and testing of SU 30K aircraft, gaining expertise in cutting-edge technologies like Opto Locator Systems (OLS) and Unmanned Aerial Vehicles (UAVs).
  - Demonstrated exceptional proficiency in aircraft assembly techniques and conducted thorough testing procedures, ensuring optimal performance and safety standards.
  - Implemented rigorous quality control measures, adhering to industry best practices, to maintain the highest levels of precision in aerospace manufacturing.

PROJECTS

- **Hospital Management Software** — OOP Project
  Course Project Supervisor: Dr. Pavan Kumar BN — Sep 2022 - Oct 2022
  - Developed a robust hospital management system using C++.
  - Implemented a real-time database solution utilizing SQLite for seamless data storage and retrieval.
  - Devised user-friendly access criteria algorithms, ensuring smooth hospital management and user interactions.
  - GitHub Repository: https://github.com/shuklaAlkesh/Hospital-Management-system-C--oops-project.git

- **Color Sorting Machine** — Embedded Systems Project
  Course Project Supervisor: Dr. Raja Vara Prasad — Sep - Nov 2022
  - Designed and developed an advanced color sorting machine for food manufacturing.
  - Integrated high-precision sensors for accurate color detection, object count, and weight measurement.
  - Created a hardware model using Arduino Uno, Raspberry Pi, and state-of-the-art sensor modules.
  - Implemented efficient embedded C code for reliable and optimal performance.
  - Developed a user-friendly mobile application for real-time monitoring and notifications.
  - GitHub: https://github.com/shuklaAlkesh/colour-sorting-and-weighing-machine_embedded_system_project-.git

EXTRACURRICULAR ACTIVITIES

- Actively contributed to the IOTA Club at IIIT Sricity, leading Public Relations and Hackathon teams.
- Organized technical events, promoting knowledge sharing and skill development.
- Led cultural events celebrating diversity and fostering inclusivity on campus.
- Demonstrated strong analytical and teamwork skills through dedicated hackathon participation.
- Volunteered for community programs and donation drives, making a positive social impact.

HONORS AND AWARDS

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