

ALKESH SHUKLA

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Education

Indian Institute of Information Technology Sricity

*B.Tech in Electronics and Communication Engineering; **Current CGPA: 8.2***

St. Joseph International School, Jhalawar, Kota

*Higher Secondary Education (Class: 12th); **Percentage: 88.6***

Chittoor, Andhra Pradesh

Dec 2021 - Present

Rajasthan, India

Mar 2019 - Jul 2020

Experience

Hindustan Aeronautics Limited

Summer Intern

Korwa, Uttar Pradesh

Jun 2023 - Jul 2023

- Contributed to the assembly and testing of SU 30K aircraft, gaining practical experience with advanced aviation technologies.
- Employed precise assembly techniques and maintained strict quality standards to ensure aircraft performance.
- Collaborated with experienced professionals to improve aircraft performance and functionality.

Projects

Hospital Management Software 🗄️

Course Project Supervisor: Dr. Pavan Kumar BN

OOP Project

Sep 2022 - Oct 2022

- Developed a highly efficient hospital management system in C++, integrating a real-time SQLite database.
- Implemented user-friendly access algorithms for streamlined administrative tasks and secure data handling.
- Led a project team, delivering ahead of schedule, and demonstrated exceptional project management skills.
- Collaborated with interdisciplinary teams to seamlessly integrate the software into hospital operations.

Color Sorting Machine 🗄️

Course Project Supervisor: Dr. Raja Vara Prasad

Embedded Systems Project

Sep 2022 - Nov 2022

- Designed and developed an advanced color sorting machine for food manufacturing, significantly enhancing product quality.
- Integrated high-precision sensors for accurate color detection, object counting, and weight measurement.
- Engineered efficient embedded C code, ensuring reliable and optimized sorting performance.
- Created a user-friendly mobile application for real-time monitoring, enhancing user interaction and experience.
- Collaborated with a cross-functional team to seamlessly integrate hardware and software components and conduct rigorous testing.

Extracurricular Activities

- Member of the Public Relations team, IOTA Club at IIIT Sricity.
- Organized technical workshops, fostering knowledge exchange and skill enhancement among peers.
- Spearheaded cultural events promoting diversity and inclusivity on campus.
- Showcased exceptional analytical and teamwork skills through hackathon participation.

Skills Summary

Languages: Proficient in C++, Python, C, R-programming

Web Development: HTML5, CSS, JavaScript, Node.js, Express.js, React.js

Data Management: SQL, MySQL, SQLite3

Tools: Visual Studio Code, Ubuntu, Jupyter Notebook, MATLAB, LTspice, Eagle Autodesk

Honors and Awards

- Secured 2nd place in a competitive Badminton tournament held at Hindustan Aeronautics Limited Korwa, showcasing exceptional sportsmanship and skill.