Alkesh Shukla

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Education

- **Indian Institute of Information Technology Sricity** — Chittoor, Andhrapradesh
  Department of Electronics and Communication Engineering ; SGPA: 8.72 — *Aug 2021 - present*
  Courses: Data Structure and Algorithms, Digital Logic Design, Signal and Systems,Embedded system, Probability and, Statistics,Discrete Mathematics and Linear Algebra,Real Analysis and Numerical Calculus and Basic Electronic Circuits.
- **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**: Data Structures and Algorithms, C++, Python, C, SQL, HTML5, CSS, JavaScript, Node.js,Express.js React.js Microsoft Excel
- **Tools**: Visual Studio Code, Ubuntu, Jupyter Notebook, MATLAB, LTspice, Eagle Autodesk

Project

- **Hospital Management Software** — OOP project
  Course Project Supervisor:Dr.Pavan Kumar BN,Department of Computer Science and Engineering, IIIT Sricity — *Sep-Oct 2022*
  - Developed a maintainable and efficient hospital management system using C++.
  - Implemented a real-time database solution using SQLite to store and retrieve data.
  - Designed and implemented algorithms to provide a user-friendly access criteria 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,Department of Electronics and Communication Engineering, IIIT SricitySep-Nov 2022
  - Designed and implemented a color sorting machine using robotics technology for sorting food materials in the manufacturing industry.
  - Developed a hardware model using a camera sensor module, Arduino Uno, weight sensor, Raspberry Pi, NodeMcu, and Bluetooth module.
  - Integrated various sensors to accurately detect colors and provide real-time information such as object count, weight, and color.
  - Implemented the hardware using embedded C language to ensure efficient and reliable performance.
  - Created a companion mobile application using App to visualize and monitor the real-time data.
  - The mobile application allows users to track the sorting process, view real-time object counts, monitor color classifications, and receive notifications/alerts for any abnormalities or errors.
  - GitHub Repository: https://github.com/shuklaAlkesh/colour-sorting-and-weighing-machine$_e mbedded_s ystem_p roject - .git$

Extracurricular Activities

- Selected as a core member of the IOTA Club at IIIT Sricity, contributing to the club's initiatives and activities.
- Actively participated in organizing technical events and workshops, fostering a vibrant tech community on campus.
- Contributed to the planning and execution of cultural events, promoting diversity and inclusivity within the campus community.
- Actively involved in social service initiatives, volunteering for local community programs and actively participating in 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.