

Jishnu K

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Technical Skills

Languages: Python, C, HTML, CSS, JavaScript, Assembly, Ladder Logic

Tools & Platforms: VS Code, MATLAB, GitHub, Proteus 8, LT Spice

Education

APJ Abdul Kalam Technological University, B Tech in Applied Electronics & Instrumentation 2022-2026

- CGPA: 3.73/10.0 (Certificate)

Experience

Industrial Automation Intern, SMEC Automation Pvt. Ltd. | Ernakulam, Kerala May 2025 – June 2025

- Applied academic knowledge to gain practical skills in industrial automation technologies.
- Demonstrated strong initiative by consistently completing assigned tasks within project deadlines.
- Gained exposure to [mention a specific technology, e.g., PLC programming, SCADA systems] and its practical applications.

Projects

Smart Door Lock github.com/P1/repo

- Engineered a smart door lock system using an ESP32-CAM to enhance home security.
- Implemented real-time facial recognition for secure and convenient keyless access control.
- Integrated Wi-Fi for remote monitoring and user alerts.

Tools: ESP32 cam, C

Smart Glasses for the Visually Impaired (Ongoing) github.com/P2/repo

- Developing a multi-modal assistive device to help visually impaired users with navigation, shopping, and social interaction.
- **Navigation:** Implements real-time obstacle detection using a camera and sensors, providing directional audio and haptic feedback to the user.
- **Shopping Assistant:** Integrates OCR (Optical Character Recognition) to read product labels and a module for currency identification.
- **Face Recognition:** Employs a lightweight facial recognition model to identify known individuals and notifies the user via a distinct haptic pattern.

Tools: Python, Raspberry Pi, OpenCV, Tesseract OCR, Haptic Motors