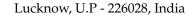
ADITYA SINGH

+91-9621400216 | singhadityay6511@gmail.com | Aditya's protfolio







OBJECTIVE

Seeking a challenging position in your company to leverage my expertise and contribute to innovative projects, particularly at the intersection of IoT and software development. I aim to apply my practical problem-solving skills and technical knowledge to drive impactful solutions in a dynamic and growth-oriented environment.

EDUCATION

Babu Banarasi Das Institute of Technology and Management

2021 - 2025

B.Tech (Electronics and Communication Engineering

Lucknow,India

SGPA: 7.55

• Vidya vahini

2021

Intermediate - 12th o Grade: 70.0%

Prayagraj, India

Central Public School

2019

High School - 10th o Grade: 82.2%

Zamania, india

PROJECTS

• Project A: [IR Based Proximity Sensor]

Jan 2023

Tools: [IR Sensor]

jun 2023 [**?**]

- Developed an IR-based proximity sensor using infrared rays to detecct distance
- · Implemented threshold detection to trigger alarm when a specific distance threshold is reached
- Threshold distance for the IR Sensor is 5cm

• Project B: [Automated Car Parking System]

Oct 2023

Tools: [Arduino Uno, Embedded C Programming]

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- Designed and implemented an automated car parking system using Ultrasonic sensors and Arduino Uno
- Developed software logic to efficiently manage parking spaces and vehicle detecction
- Developed Embedded C program for easy integration with Arduino Uno

• Project C: [Egg Quality Grading (Open CV)]

Aug 2024

Tools: [Roboflow, Python]

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- Developed an Egg quality grading system using object detection techniquea with OpenCV and Roboflow
 Implemented Object detection, processing 589 images
- Selected and annotated images of eggs to categorize them into different quality grades
- Trained a model to accurately identify and classify eggs based on visual features

SKILLS

- Programming Languages: Python, MATLAB
- Microcontroller Development: Arduino Uno
- Data Structure and Algorithms (DSA): Python
- Tools & Libraries: NumPy, Pandas, Matplotlib, Seaborn
- Technical Skills: IR and Ultrasonic sensor integration
- Version Control: Git, GitHub

PROFESSIONAL MEMBERSHIPS

• IPR Coordinator at Institute for Electronics & Telecommunication Engineers, Mem. No.: 297200 Valid upto - 2026

CERTIFICATIONS

• Elite certificate from NPTEL for completing course Introduction to Internet of Thing: Certification

April 2023

• Google certificate for completing course Get Started with Python: Certification

Feb 2024

ADDITIONAL INFORMATION

Languages: Hindi, English

Interests: Listening Music, Playing Cricket