DAVE ACHYUT

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OBJECTIVE

Seeking to apply my knowledge and skills, at the same time eager to learn in a dynamic environment to contribute effectively as an entry-level engineer.

EDUCATION

Bachelor of Computer Science, Nirma University   Expected 2026
Relevant Coursework: Data Structures, AI and ML, OOPS, and Database Management.

CPI: 8.75

SKILLS

Programming Languages	C++, C, Java, Python, HTML, CSS, JavaScript
Web Technologies	HTML, CSS, Flask
Tools	SQL, Matlab

EXPERIENCE

Intern at Shree Brahmanandji District Community Science Center   *Junagadh, Gujarat*

- Achieved successful organization of events featuring ISRO scientist Ramesh Pandya at two locations in Junagadh, contributing to increased community engagement.
- Led coordination efforts for the events, improving public awareness about the Community Science Center.
- Developed and delivered informative presentations in schools, utilizing effective communication and outreach skills to raise awareness about the Community Science Center and its programs.

PROJECTS

University Management System

- Developed a University Management System in Java, integrating Swing and AWT for the user interface.
- Utilized Object-Oriented Programming principles for modular code design.
- Implemented MySQL database connectivity using JDBC for efficient data management.

Image Classifier

- Implemented an Image Classification System utilizing machine learning models to classify uploaded images.
- Developed a user interface using HTML, CSS, and JavaScript for seamless image upload and classification.
- Integrated Python back-end to process images and provide classification results to users.
- Improved user experience by delivering accurate image classifications with percentage match feedback.

Object Detection For Car

- Developed an Automatic Braking System for cars using Arduino, relay, and ultrasonic sensor technology.
- Implemented obstacle detection through ultrasonic sensors.
- Programmed Arduino to trigger relay activation, engaging the braking system automatically upon obstacle detection.
- Enhanced vehicle safety and collision avoidance through automated braking functionality.

RESEARCH WORK

Adaptive Deep Learning Model for Real-Time IoT DoS and DDoS Detection (Working on it)

- Researching real-time IoT DoS and DDoS detection using pre-trained VGG16, ResNet, and Inception CNN models.
- Modifying pre-trained CNN architectures for enhanced adaptability in identifying evolving cyber threats within IoT networks
- Iteratively testing and refining the Adaptive Deep Learning Model for real-time mitigation of DoS and DDoS attacks targeting IoT devices.