

# VIKAS YADAV

**B.Tech – Computer Science Engineering (Undergraduate)**

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## ACADEMIC QUALIFICATIONS

Year	Degree	Institute	Grade
2022 – 2026	Bachelor of Technology (B.Tech), CSE	DCRUST, Murthal	CGPA: 6.5
2020-2021	Senior Secondary (XII)	SURAJ School ,Rewari (CBSE)	86%
2018-2019	Secondary (X)	VIVEKANAND School , Rewari (CBSE)	88%

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## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, JavaScript

**Web Technologies:** HTML, CSS

**Database:** SQL

**Concepts:** Data Structures, OOPs, Problem Solving

**Tools:** Git, VS Code

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## PROJECTS

**Github Link :** <https://github.com/thenewsunrise>

### Network Intrusion Detection System (NIDS)

- Developed a Network Intrusion Detection System to identify malicious activities and unauthorized access in a computer network.
- Analyzed network traffic data to detect common attacks such as DoS, Probe, R2L, and U2R.

- Used machine learning techniques to classify normal and anomalous network behavior.
- Tools & Technologies: IBM Cloud, Machine Learning algorithms, Network Security concepts.

### **Vehicle Overspeed Detection System (Machine Learning)**

- Built a machine learning-based vehicle overspeed detection system to identify vehicles exceeding predefined speed limits.
- Processed video data to extract frames and calculate vehicle speed using distance-time analysis.
- Applied computer vision and ML techniques to detect, track, and analyze vehicle motion.
- Implemented and tested the complete model on Google Colab for efficient computation and experimentation.
- Tools & Technologies: Python, OpenCV, Machine Learning, Google Colab.

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### **RELEVANT COURSE WORK**

- Data Structures and Algorithms
- Database Management Systems
- Operating Systems
- Computer Networks
- Software Engineering

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### **CERTIFICATIONS**

NCC A , B , C