

# Abhishek Saurabh

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## Education

**Guru Gobind Singh Indraprastha University, New Delhi**  
*B.tech in Computer Science and Engineering*

*Nov 2022 – June 2026*

## Technologies

**Programming Languages:** Java, Python, Javascript

**Web Technologies:** React.js, HTML, CSS, Tailwind CSS, Node.js, Express.js

**Machine Learning:** OpenCV, TensorFlow, FastAPI, Scikit-Learn, YOLOv5, Pandas, NumPy, PyTorch

**Database:** MongoDB, MySQL

**Tools and Platforms:** Git, GitHub, VS-Code, Google Cloud Platform(GCP)

**Certifications:** IBM Data Analysis with Python, CISCO Cybersecurity Essentials, Google Generative AI Fundamentals, IBM Python for Data Science, Machine Learning with Python - IBM SkillBuild

## Experience

### Summer Internship - AI and Machine Learning

*Remote*

*Edunet Foundation*

*June 2025 – July 2025*

- Designed and implemented machine learning models using Python libraries such as Scikit-learn, Pandas, and NumPy for real-world datasets like employee salary prediction.
- Worked on IBM SkillsBuild projects through Edunet Foundation, gaining hands-on experience in data preprocessing, model training, evaluation, and Streamlit-based deployment.

### Web Development Intern

*Remote*

*IBM Skillsbuild*

*July 2024 – Aug 2024*

- Developed responsive and dynamic web applications using HTML, CSS, JavaScript, and frameworks like Bootstrap as part of IBM SkillsBuild projects.
- Gained hands-on experience with front-end and back-end technologies while building and deploying real-world web solutions on cloud platforms.

## Projects

### Advanced Drone Detection System

[github repo](#) 

- Built an advanced drone detection system using YOLOv5 and OpenCV to accurately identify and track drones in real-time video streams.
- Integrated restricted area warning logic with automatic alert generation and event logging for security enforcement.
- Optimized system performance for live webcam input, ensuring low-latency detection and reliable monitoring.

### AI-Based Disease Prediction from Symptoms

[github repo](#) 

- Built a machine learning model using algorithms like Decision Tree and KNN to predict diseases based on user-input symptoms.
- Designed an interactive interface to allow users to select symptoms and receive real-time predictions of possible diseases.

### AI Motion Detection System

- Built an AI-based motion detection system using OpenCV to detect and count motion events in real-time video feeds.
- Implemented efficient logging and analytics functionality to record motion counts over time, facilitating trend tracking and performance evaluation of movement patterns.