

Abhishek Kaushik

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Enthusiastic and highly motivated Computer Science graduate with a strong foundation in **Data Analysis, AI Computer Vision and IOT**, Eager to apply academic knowledge and project experience to real-world challenges.

Education:

ESHAN COLLEGE OF ENGINEERING, FARAH, MATHURA, AKTU-0471

Aug 2022-July 2026

Bachelor of Technology in computer science & engineering

[CGPA 7.45 out of 10]

RAJ INTER COLLEGE (U.P. BOARD), AGRA

July 2019- Apr 2021

10+2 in PCM

Projects:

SMART SHOES | *Smart Shoe with motion tracking, fitness tracking with GPS*

Developed a wearable smart shoe prototype using an accelerometer & gyroscope, GPS module, and vibration motor to enhance user experience and safety.

Motion Tracking: Utilized MPU6050 to monitor foot movement and orientation in real-time.

Location Awareness: Integrated GPS module to track and transmit the user's location.

Haptic Feedback: Implemented a vibration motor to provide real-time alerts based on motion or location data.

IoT Capabilities: Enabled data visualization and remote monitoring through Blynk IoT platform.

Technologies: *Arduino IDE, C++, Blynk IOT, API*

AI BASED CRIME DETECTION | *Built a real-time surveillance system using AI*

Developed an intelligent surveillance system using Artificial Intelligence and Computer Vision to detect suspicious activities such as violence, weapon presence, and abnormal behaviour from CCTV footage in real time. Implemented video processing, frame extraction, preprocessing, and AI-based detection using deep learning models like CNN/YOLO.

Technologies: *Python, OpenCV, TensorFlow/Keras, YOLO, CNN, Machine Learning, Computer Vision, Pandas, NumPy*

Experience:

1M1B (1 Million for 1 billion) | *6-week green internship in Data analysis and Machine learning*

July 2025- Aug 2025

Working on real-world projects integrating AI, data analysis, and sustainability.

Technical Skills:

Languages: Python, C, HTML/CSS, JavaScript

Database: SQL, MongoDB, Firebase, Kaggle

Soft skills: Team management, Problem solving, Leadership

Developer Tools: AWS Console, Linux, VS Code, GitHub, WordPress, Arduino IDE, Tinker cad

Frameworks: Node.js, React.js, NumPy, Blynk IOT, Pandas, matplotlib, Figma, YOLO, TensorFlow, Robo flow

Certifications:

Hacker rank: *SQL basics & Python*

Leet Code: DSA-50

Google Cloud skills boost: GCP Fundamentals

Achievements:

Head of Hellfire esports Club, at Eshan College of Engineering.

Successfully organized esports tournaments 2 times.

Participated in the IDE bootcamp of Innovation by MOE.

Completed SQL 30 & JS 25, at Leet Code.

Currently doing GFG160 challenge.