Ajay Bhatnagar

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Education
Noida Institute of Engineering and Technology, Greater Noida, India
B.Tech in Computer Science and Engineering (Nov 2021 - Jun 2025)

Skills
- Programming: Python, Java, SQL
- AI/ML/DL: Data Science, Machine Learning, Deep Learning, NLP, CNN, RNN
- Libraries & Tools: OpenCV, MediaPipe, PyAutoGUI, win32com, cvzone, PyCAW, screen-brightness-con
- Soft Skills: Quick Learner, Team Management, Problem Solving

Academic & Personal Projects
Gesture Recognition System (Virtual Mouse + Eye Tracking + PPT Controller)
GitHub: https://github.com/AjayBhatnagar1712/gesture-eye-ppt-controller
- Built an integrated gesture-based system for controlling the mouse, navigating presentations, and enabli
- Combined hand gesture recognition, eye-tracking, and PowerPoint automation using Python, OpenCV,
- Enabled features like blink-based clicks, pinch gestures, slide navigation, and system volume/brightness

Housing Price Prediction Project
- Built a machine learning model to predict house prices using features like area, bedrooms, and location.
- Performed data cleaning, feature engineering, and model optimization with Random Forest and Linear

Card Fraud Detection System
- Developed a system to detect fraudulent credit card transactions using machine learning.
- Implemented real-time fraud detection with anomaly detection techniques.

Sentiment Analysis of Movie Reviews
- Built a model to classify movie reviews as positive or negative using NLP and TF-IDF.
- Achieved 85% accuracy with a Naive Bayes classifier.

Certifications
- Data Analysis with Python - IBM (Coursera)
- Machine Learning with Python - IBM (Coursera)
- Introduction to Deep Learning with Keras - IBM (Coursera)
- Deep Learning for Developers - Infosys Springboard
- Data Structures - Certified in linked lists, stacks, queues, and trees
- Algorithmic Toolbox - Strong foundation in algorithms and problem-solving
- Object-Oriented Programming in Java - Coursera
- Java Programming: Arrays, Lists, and Structured Data - Coursera

Experience & Leadership
- Vice-President & Founder - Ekume Club (Organized hackathons, skill-building events, webinars)
- Head Coordinator - JettSetters Tourism Club (Planned day tours, photo walks, and more)
- National & State-Level Karate Medals (Awarded for Karate Fight & Kata)

Interests
Problem Solving, Fitness, Continuous Learning, AI Research