

Kavyansh Nigam

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EDUCATION

- **Bennett University** Noida, India
Bachelor of Technology - Computer Science August 2023 - June 2027
- **Rankers International School** Madhya Pradesh, India
Higher Sec. School (88%) April 2020 - March 2022

SKILLS SUMMARY

- **Languages:** C, C++, Java, Javascript, Python
- **Frameworks:** Node.js, Express.js, React Native
- **Database:** MySQL, MongoDB
- **DevOps:** AWS, Linux
- **Soft Skills:** Teamwork, Event Management, Leadership, Problem Solving

WORK EXPERIENCE

- **NexCraft** [\[Link\]](#) Remote
SDE Intern December 2024 - March 2025
 - Assist in the development of client-specific software solutions, ensuring alignment with project requirements and industry standards.
 - Collaborate with cross-functional teams to design, implement, and test applications.
 - Contribute to debugging, optimization, and deployment processes to enhance software performance and reliability.

ACADEMIC PROJECTS

- **StrokeAI - Stroke Prediction Awareness Platform:** github.com/Kavyansh11-gi/StrokeAI
Developed a web application using Flask and Random Forest Machine Learning Algorithm to predict stroke risk based on user health data. Integrated an interactive frontend (HTML, CSS, JavaScript) and backend (Python, Flask) with scikit-learn for accurate predictions. Provided educational resources on stroke causes and prevention.
- **Object Detection using YOLO:** github.com/Kavyansh11-gi/object-detection/tree/main
Implemented a custom object detection model using YOLOv8 (Ultralytics) to detect cars in images. Utilized OpenCV, Matplotlib, and Python for image processing and visualization. Trained and fine-tuned the model for high accuracy and performance in object detection tasks.
- **Auto Encoder:** github.com/Kavyansh11-gi/AutoEncoder
Developed a Deep CNN Autoencoder using TensorFlow and Keras for image compression and denoising. Trained the model on Google Colab, leveraging CNN-based encoding and decoding for efficient feature extraction and reconstruction. Utilized NumPy, Matplotlib, and TensorFlow for data processing and visualization.
- **Human Pose Detection – Real-time Body Movement Tracking:** github.com/Kavyansh11-gi/Human-Pose-Detection
Implemented real-time human pose estimation using MediaPipe and OpenCV, capable of detecting and tracking 33 key body points. Designed to work with both recorded videos and live camera feeds, ensuring smooth performance with efficient tracking techniques.
- **Truth Lens:** github.com/Kavyansh11-gi/deepfake-frontend-main
It analyzes facial patterns and temporal inconsistencies to distinguish real from fake videos with high accuracy. The model effectively detects AI-generated manipulations, enhancing digital media security and authenticity verification.
Tech: Python, Resnet50, Django

POSITION OF RESPONSIBILITY

- **Alan Turing Club** Bennett University
Management Core September 2023 - August 2024
 - Managed event planning, logistics, and team coordination to ensure efficient execution of club initiatives while facilitating communication between members and leadership.

HONORS

- Secured 2nd rank in Codathon at Bennett University
- Organized, Volunteered, and Participated in 5 Hackathons including SIH
- 2nd runner-up in Tech Arena.