

HARSH KHETAN

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CSE student specializing in AI/ML with a strong interest in Python backend development. Skilled in Django, Flask, and SQL, with growing expertise in Java. Focused on building scalable systems using emerging AI technologies.

EDUCATION

B. Tech CSE-AI&ML SRM Institute of Science & Technology, Kattankulathur, (Main Campus) • Current CGPA – 9.17	Chennai, India July 2023-2027
High School Diploma Allenhouse Public School • 10th Percentage – 94.3% • 12th Percentage – 83%	Kanpur, India April 2007-2023

SKILLS

• Programming Languages	C, C++, Java, Python, HTML, CSS, OpenCV
• Libraries/Frameworks	Pandas, NumPy, Matplotlib, Django, Java Swing, JDBC
• Tools / Platforms	Git, VS Code

EXPERIENCE

Volunteer IEEE GRSS SRM Student Chapter	November 2024 – November 2024 Chennai, India
- Organized logistics and scheduling for a campus hackathon, ensuring smooth event flow. - Handled participant registration and queries, improving team–mentor communication. - Coordinated with mentors and judges to ensure timely evaluations and feedback.	
SDE Intern EA Technologies USA Inc.	May 2025 - July 2025 Noida, India
- Collaborated with the development team to design, build, and test scalable software solutions. - Contributed to backend and frontend tasks, writing clean, efficient, and maintainable code - Gained hands-on experience with real-time client projects, agile workflows, and modern dev tools.	

PROJECTS / OPEN SOURCE

- **Zero-Shot Object Detection:** Built a real-time object detection system using Python, OpenCV, PyTorch, and OWL-ViT from Hugging Face Transformers. It detects custom objects in live video without retraining, overlays bounding boxes, and logs detection results with confidence scores. [\(Link\)](#)
- **Automatic Number Plate Recognition (ANPR):** Developed a license plate recognition system using Python, OpenCV, and Tesseract OCR to detect and extract plate numbers from video frames. Integrated a graphical file selection interface and real-time text overlay for improved user interaction. [\(Link\)](#)
- **Hand Gesture Fruit Ninja:** Created a real-time Fruit Ninja simulation using Python, OpenCV, PyAutoGUI, and MediaPipe, enabling gesture-based slicing and clicks via webcam. Using landmark detection and motion tracking for responsive browser interaction. [\(Link\)](#)

CERTIFICATES

- Programming in Java – [NPTEL](#)
- Total Python – [Udemy](#)
- C++ Programming – [Udemy](#)
- Python Essentials 1 – [Cisco Netcad](#)
- Intro to Cybersecurity – [Cisco Netcad](#)
- Generative AI: Prompt Engineering Basics – [Coursera](#)