

Harshit Chaudhary

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Education

Vellore Institute of Technology, Chennai Campus <i>B.Tech in Computer Science (Specialization: AI and Robotics)</i>	Sep 2022 – Present CGPA: 8.78
Lovely Public Sr. Sec. School, New Delhi <i>Senior Secondary (CBSE), Class XII</i>	Apr 2019 – May 2021 CGPA: 9.46

Skills

Languages: Python, R, Java, C/C++, HTML, CSS, JavaScript, SQL, Dart
Frameworks/Libraries: React, Node.js, Express, Flask, Flutter, Pandas, Scikit-learn, TensorFlow, PyTorch, Folium
Databases/Cloud: PostgreSQL, MongoDB, Firebase, AWS, GCP, OCI, Vercel, Google Colab, Cloudinary
Tools & Platforms: Git, Linux (Ubuntu), Bash, JWT, REST APIs, Docker, Kubernetes, Postman, Figma, Wireshark, Test Automation Basics, CI/CD (GitHub Actions / GitLab CI)
Core Competencies: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Networking (TCP/IP, HTTP, Sockets), Machine Learning Pipelines, Statistical Analysis

Experience

Software Development Intern Link <i>NIIT Managed Training Services</i>	Jun 2025 – Jul 2025 <i>Gurugram, India</i>
<ul style="list-style-type: none">Engineered a full-stack user management system with React, Node/Express, PostgreSQL, and JWT auth.Deployed on Vercel with cloud backend; enhanced DB queries for sub-800ms response times.Delivered 50% backend logic and 40% UI features in Agile sprints with a 5-member team.	

Projects

TrackKar – Dynamic Route Rationalization Link <i>Python, ML, Flask, Folium, JS</i>	Sep 2024 – Oct 2024
<ul style="list-style-type: none">Improved 50+ public routes using ML on GPS data, raising arrival-time accuracy by 18%.Processed 200+ GPS records/min with real-time dashboards (Folium + Google Maps API) and adaptive scheduling via REST APIs.	
Saavdhaan – Crime Hotspot Detection Link <i>Python, REST APIs, GeoPandas</i>	Nov 2023 – Dec 2023
<ul style="list-style-type: none">Trained clustering models (DBSCAN/KMeans) on 15K+ crime records to detect hotspots with 80% accuracy.Developed geofencing alerts (500m radius) and safer route suggestion algorithm for end-users.Optimized ETL pipelines and indexing, reducing query times by 40%.	
Disaster Management Platform Link <i>React, Flutter, Python</i>	Sep 2023 – Nov 2023
<ul style="list-style-type: none">Created cross-platform emergency response app tested by 200+ users in campus drills, integrating offline guides, 10+ helpline APIs, and multilingual chatbot alerts.Implemented resource mapping + notifications, cutting response delays by 30%.	

Positions of Responsibility

President, Dramatics Club <i>Vellore Institute of Technology, Chennai</i>	May 2024 – May 2025 <i>Chennai, India</i>
<ul style="list-style-type: none">Led 50+ members across 10+ large-scale performances, attracting 1K+ attendees and fostering collaboration.Streamlined logistics and budgeting workflows, reducing prep cycles by 50% and boosting workshop turnout.Directed and scripted plays winning national accolades across IIT Madras, IIT Bombay, and VIT campuses.	

Achievements and Awards

- Secured **Top 5 National Team** at **Hackout 2023**, IIT Madras (1K+ participants).
- Selected for **Smart India Hackathon 2023 & 2024** (top 1% campus-wide).
- Solved **250+ LeetCode problems**, achieving a 70% acceptance rate and improving problem-solving speed.
- First Prize**, Nukkad Natak at **Riviera 2025** (VIT Vellore); **Third Prize** in 2023 & 2024.
- Finalist** at **Aagaaz 2024** (IIT Bombay) nationwide street play contest.
- Best Writer & Director** at **Saarang 2025** (IIT Madras) and **Drama League 2024** (VIT Chennai).