

NITIN CHOUDHARY

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LinkedIn | GitHub

EDUCATION

Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram, Chennai, Tamil Nadu, India
BTech in Computer Science with Major in Artificial Intelligence; CGPA: 7.8 2022 – 2026

EXPERIENCE

Backend Development Intern May 2025 – Present

Attacked.ai — Remote (London Area, UK)

- **Developed** backend systems using **Python**, **Django**, and **SQLite3** for scalable threat intelligence workflows.
- **Built** automated **data collection agents** to monitor and classify multi-domain attacks: Environmental, Cyber, Economic, Legal, Physical, Social, Biological, etc.
- **Designed** an **AI-powered data crawler** connected to Django for extracting structured data from AI agents and external files.
- **Contributed** to **Horizone Scanning** and **Industrial Research Agent** modules, enabling early-stage attack trend analysis and strategic foresight.

PROJECTS

450-DSA Checklist Project [Link]

- **Developed** a comprehensive **web-based platform** to assist users in tracking their progress in solving over **460+ DSA and competitive questions** on all topics based on the **DSA-Cracker Sheet**, along with a good **User Interface**.
- **Engineered** optimized backend processes using **Express.js**, **Node.js**, and **MongoDB**, along with **React.js Routers**, providing high performance, **reducing server response time by 80%** and supporting **200+ concurrent user sessions**.

Object Counting [Link]

- **Built** a **MERN application** that uses a **pre-trained YOLOv8 model** to count up to **80 object categories** in video.
- **Integrated Flask/FastAPI as a bridge** between the **YOLOv8 model** and the **Node.js backend**, enabling seamless communication via **REST APIs and WebSockets**, and used **OpenCV and NumPy** to enhance real-time detection speed and accuracy.

PROFILES

LeetCode Profile [Link]

- **Achieved Guardian** status on LeetCode with a highest ratings of **2100+**, ranking in the top **2.38%** users.
- **Practiced 900+ DSA** along with of **Competitive Programming Problems** by **completed** in over **50+ contests**.

Codeforces Profile [Link]

- **Conquered** over **1400+ problems** across **75+ contests** and with full dedicated practice of since one year.
- **Attained the Specialist** with a rating of **1583**. **By facing lot of downfalls** in this **CP journey**.

CodeChef Profile [Link]

- **Solved 150+ problems**, achieved the **4-Star** rank with a maximum rating of **1910+** with good **consistency** .
- **Ranked 163** out of 5000 participants in **Starters #147 (Div. 2)** by solving **5/7 problems**.

ACHIEVEMENTS AND CERTIFICATES

All India Rank 30 — Secured this rank in the Inter IIIT Coding Contest, conducted by IIIT-Bhopal (2024). [Certificate]

AIR 299 in IICPC Codefest 2025 — achieving **Regionalist** status in the prestigious **CP** competition. [Certificate]

Finalist in IIT Madras Shaastra 2025 Competitive Programming Contest — showcasing strong problem-solving skills at a national level. [Certificate]

RELEVANT COURSEWORK

Data Structures and Algorithms, Artificial Intelligence, Operating Systems, Web Development, Machine Learning, Object Oriented Programming, Database Management Systems, Computer Networks, Compiler Design, Theory of Computation.

SKILLS

Languages: Java, React, Python, C++, JavaScript, HTML5, SQL C,Python,CSS.

Tools: Git,Github,MongoDB,Node.js,Express.js,Bootstrap,NPM.OpenCV,Scikit-learn.