

Nitin

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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; GPA: 7.8 2022 – 2026

PROFILES

LeetCode Profile

Profile: <https://leetcode.com/u/nitin0461>

- **Achieved** Knight status on LeetCode with a highest ratings of **2100+**, ranking in the top **2.38%** global coders.
- **Mastered** 800+ **DSA** along with lot of Competitive Programming Problems by **competed** in over **50+ contests**.
- **Outperformed** 25000 participants, by getting global rank **526** in Weekly Contest #407 by solving all problems in 1 hour.

Codeforces Profile

Profile: https://codeforces.com/profile/nitin_choudhary

- **Conquered** over **1200+ problems** across **55+ 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

Profile: <https://www.codechef.com/users/nitin0461>

- **Solved** **100+ problems**, achieved the **4-Star** rank with a maximum rating of **1860+** with good consistency and hardwork.
- **Ranked** **163** out of 5000 participants in Starters #147 (Div. 2) by solving 5/7 problems.

PROJECTS

450-DSA Checklist Project

GitHub Link: <https://github.com/nitin0461-choudhary/450-DSA-Checklist-Project>

- **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 good User Interface.
- **Engineered** optimized backend processes using **Express.js Node.js** and **MongoDB**, and along with **React.js Routers** for providing good performance **reducing server response time by 80%** and supporting **200+ concurrent user sessions**.

iNotebook

Github Link: <https://github.com/nitin0461-choudhary/iNotebook>

- **Developed** a secure and feature-rich **web application** using the **MERN stack** to manage personal notes efficiently.
- **Implemented** secure **JWT-based user authentication**, ensuring robust data protection and privacy.
- **Designed and optimized** responsive **UI**, using **React and Bootstrap**, ensuring seamless functionality across devices.
- **Built and optimized** backend architecture with **Node.js** and **MongoDB**, improving performance and scalability.
- **Integrated full CRUD functionality**, enabling users to **add, view, update, and delete notes** seamlessly through an intuitive interface.

Object Counting

GitHub Link: <https://github.com/nitin0461-choudhary/Object-counting>

- **Built** a **MERN application** that uses a **pre-trained YOLOv8 model** to count up to **80 object categories** in video.
- **Developed** a **React.js frontend** for uploading videos and visualizing object counts, with **Node.js, Express.js, and MongoDB** managing backend processing efficiently.
- **Integrated Flask/FastAPI as a bridge** between the **model** and the **Node.js backend**, enabling seamless communication via **REST APIs and WebSockets** and **OpenCV and NumPy** enhancing real-time detection speed and accuracy.

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.

ACHIEVEMENTS AND CERTIFICATES

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

Natural Language Processing — Successfully completed the NPTEL course, covering NLP techniques such as tokenization, text classification, and machine translation.

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.