

ARYAN ANURUP

LinkedIn ◇ anurup1012@gmail.com ◇ GITHUB ◇ InterviewBit ◇ CodeForces ◇ CodeChef ◇ LeetCode

EDUCATION

Rajiv Gandhi Institute of Petroleum Technology, India

Dec 2020 - May 2024

Institution of National Importance along the lines of the IITs.

B.Tech in Computer Science— **CGPA: 8.16/10** (till 7th Sem)

WORK EXPERIENCE

Nihilent- Data Science Intern

July 2023 - Jan 2024

- Implemented Operational Research algorithms in the supply chain domain to optimize Material Allocation, transforming a 10-hour process into a highly efficient 1-hour operation.
- Delivered a 20-30% enhancement in result quality within the supply chain, surpassing the capabilities of the previous engine and driving improved operational efficiency.

Pediageek - Founding Member

Nov 2022 - June 2023

- Designed and launched an online blogging startup, allowing users to read, write, and post blogs, serving a community of 10,000+ active users. [GitHub](#)

Open Web Application Security Project (OWASP), RGIPT SC - Technical Head

- Delivered a Web App for an Event THE UNSUNG HEIR. <https://the-unsung-heir.web.app>

PROJECTS

Collabora Draw - Implemented a real-time collaborative whiteboard, integrating Socket.io for live interactions, Node.js, Javascript for backend functionality, and Tailwind CSS for 10x user experience. [GitHub](#) [Live](#)

- Engineered a real-time whiteboard with image upload/download, synchronized sticky notes, and undo/redo functions, driving collaboration. Achieved latency under 100ms for seamless real-time interaction.
- Enabled users to create and share rooms, doubling user interaction. Integrated Passport.js for Google, GitHub, and local authentication, to increase privacy by 2x.

CodeForces Analyzer - Designed a CodeForces analyzer to help competitive programmers to analyze their profiles, identify weaknesses, and improve performance 2x. [GitHub](#) [Live](#)

- Constructed a profile analysis tool using CodeForces API raw data and advanced algorithms to achieve 95% accuracy. Implemented a performance comparison feature to foster competitive insights within the community.

Graphical Authentication System - Using a free pattern for authentication instead of a text-based password provides a more secure and personalized experience, increasing security by 2X. [GitHub](#)

- Delivered a system utilizing a Machine Learning Model **OpenCV** (accuracy of 86%), the authentication process matches the registered pattern with the login pattern, ensuring successful authentication.

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

- Ranked in top 1.84% in the IIT-JEE Advanced 2020 exam.
- Awarded Merit-Cum-Means Scholarship for the Top 10 %students in the CSE batch.
- Regionalist in the 2023-24 ICPC Asia Amritapuri Doublesite (Regional Rank 174).
- Titled as Expert at [CodeForces](#) with a max rating of 1601 (top 2%).
- Ranked in top 3% globally on **Leetcode** as Knight(1929) and 4 star at [CodeChef](#) (1817).
- Achieved a global rank of 2751 out of 30k+ participants in [Google KickStart](#) Round H.
- Placed in top 19 out of over 500 participants in Central India's Largest Hackathon held at NIT-Bhopal.
- Solved 1200+ problems in **CodeChef**, **CodeForces**, **Leetcode**, **Interviewbit**.

TRAINING

- Selected as a mentee for **Amazon** ML Summer School 2022. Attended eight modules of the program to gather knowledge about Machine Learning. [↗](#)

SKILLS

Interests/Course	Competitive Programming, DSA, Algorithm, Object Oriented Programming (OOPs), Operational Research Algorithms, DBMS, Operating System.
Languages	in C++/ C, Python, Dart, HTML, CSS, JAVASCRIPT
Tools/Frameworks	Node.js, Express.js, TailwindCSS, Postman, Android Studio, MongoDB, Git/ Git-Hub