HARSH JHA

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Linkedin | GitHub | Portfolio

EDUCATION

Dr. A. P. J. Abdul Kalam Technical University — Lucknow, India
Bachelor of Technology in Computer Science & Engineering — 2021 - 2025
CGPA: 7/10

Air Force School — Kanpur, India
All India Senior School Certificate Examination — 2019 - 2020
PERCENTAGE: 92.60%

CODING PROFILES

CodeForces — *username: imtheonly1*

- Achieved the **Specialist** Rank with a maximum rating of **1437**, consistently ranking among contest performers.
- Tester for **Codeforces Round 1006**, contributing to problem validation and quality assurance, ensuring the integrity and challenge of the competition
- Diligently solved **450+** problems over 4 years, demonstrating strong analytical thinking and algorithmic expertise.

CodeChef — *usernmae: imtheonly1*

- 3-Star Coder with a peak rating of **1728**, showcasing enduring competitiveness by participating in **60+ contests** and solving **300+ problems** over 4 years.
- Consistently high-ranked competitor, securing a global **rank of 46 in Starters 63 and 167 in Starters 157**; earned prestigious badges like **Gold Contest Contender** and **Silver Problem Solver**, demonstrating dedication, resilience, and problem-solving excellence.

PROJECTS

Godly | Compiler Design — *January 2025 - April 2025*

- Developed a C++ interpreter for the Lox programming language, implementing features such as lexical analysis, parsing, and runtime evaluation, resulting in a fully functional scripting language.
- Implemented core language features, including variables, control structures, functions, and classes with inheritance, enabling the execution of complex scripts.
- Achieved efficient performance by optimizing data structures and algorithms, leading to a 20

AnyWhere Notes | Backend Engineering — *July 2024 - September 2024*

- Built a scalable backend using **Node.js** and **TypeScript** for a custom note management system, ensuring modularity and maintainability.
- Designed **RESTful APIs** with **CRUD** functionality by Integrating **PostgreSQL** with **Prisma ORM** for efficient data storage, ensuring **ACID** compliance and enhancing query performance.
- Implemented **JWT**-based authentication for secure user sessions, preventing unauthorized access.
- Developed a fine-grained **Role-Based Access Control (RBAC)** system to manage user permissions, enforcing least privilege access.

SKILLS

Programming Languages:	C++, JavaScript, TypeScript, HTML, CSS
Tools / Platforms:	Git, Github, VS Code, Node.js, Linux
Databases:	PostgreSQL, MySQL, NoSQL, MongoDB
Coursework:	Design and Analysis of Algorithm, Data Structure, Operating Systems, Database Management System

ACHIEVEMENTS

TCS CodeVita Season 11 — *February 2024*

- **Achieved Global Rank 285** in Round 2 (Top 0.06% of 444,000+ participants), demonstrating advanced problem-solving skills in algorithmic and data structure challenges under time constraints

College Hackathon Winner — *November 2022*

- Secured **1st place** and **Rs 15,000** cash prize in a problem-solving competition among 900+ participants, showcasing expertise in rapid algorithm design and efficient code implementation under time constraints

CERTIFICATIONS

- The Hard Parts of Asynchronous JavaScript - **Frontend Masters**
- JavaScript: The Hard Parts, v2 - **Frontend Masters**
- Deep JavaScript Foundations, v3 - **Frontend Masters**

POSITION OF RESPONSIBILITY

President | AlgoClub   2023 - 2024

- Spearheaded the planning and execution of multiple hackathons and workshops as President of the AlgoClub, engaging 200+ participants and fostering technical innovation through hands-on coding challenges and collaborative problem-solving sessions