

HARSH JHA

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GitHub | LinkedIn | CodeForces | CodeChef

EDUCATION

Dr. A. P. J. Abdul Kalam Technical University
Bachelor of Technology in Computer Science & Engineering
Air Force School
All India Senior School Certificate Examination
Air Force School
All India Secondary School Examination

Lucknow, India
2021 - Present
Kanpur, India
2019 - 2020
Kanpur, India
2017 - 2018

PROJECTS

Godly | Compiler Design *January 2025 - Present*

- It is a high-level scripting language.
- It has features like dynamic typing, garbage collection, lexical scope, first-class functions, closures, classes, and inheritance.

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

EXTRA CURRICULAR ACTIVITIES

National Cadet Corp Training

- Completed a rigorous 2-year program, honing leadership skills, and teamwork through structured drills and community service initiatives.
- Selected for a 10-day intensive camp, excelling in physical endurance exercises, tactical training, and crisis management simulations.

Competitive Programming

- Actively participate in coding contests on CodeForces and CodeChef, consistently ranking in the top tiers, demonstrating proficiency in algorithmic problem-solving

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