

# ARUN KUMAR

Rudrapur, Uttarakhand

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## EDUCATION

**Indian Institute of Information Technology, Prayagraj**

*B.Tech - Information Technology (Major) & Entrepreneurship (Minor)* CGPA: **8.32/10**(upto 4th sem)

**August 2023 – Present**

*Prayagraj, UP*

**R.A.N Public School**

*Post-Matriculation, CBSE* Percentage: **85.8%** [↗](#)

**April 2021 – July 2022**

*Rudrapur, Uttarakhand*

**R.A.N Public School**

*Matriculation, CBSE* Percentage: **98.4%** [↗](#)

**April 2019 – July 2020**

*Rudrapur, Uttarakhand*

## COURSEWORK

**Data Structures and Algorithms, Operating Systems, Computer Networks, Object-Oriented Programming, Web Development, Database Management Systems, Design and Analysis of Algorithms**

## SKILLS

**Languages:** Java (OOP, multithreading), C++ (STL, competitive programming), C, Python (data analysis), JavaScript (web), HTML, CSS

**Frameworks/Tech:** Git (version control), GitHub, MySQL (RDBMS), React.js (UI), Node.js (backend), MongoDB (NoSQL), Firebase (real-time DB)

**Learning:** Android Development (mobile apps), Kotlin (modern Android), Firebase (cloud), Canva, Figma (UI/UX design)

## ACHIEVEMENTS

- Solved 220+ algorithmic problems on LeetCode and Codeforces, strengthening skills in dynamic programming, recursion, and graph algorithms.
- Achieved 99.4 percentile in JEE Mains 2023, ranking among top 0.6% of 1.2M+ candidates
- Secured **Global Rank 75** in Codeforces Starters 116 Div 4 (Jan 2024), outperforming 15,000+ global participants

## PROJECTS

**CollegeBazaar Marketplace Platform** [↗](#)

**April 2025 – July 2025**

- Developed a bidding-based marketplace for campus reselling of used items, serving student community with seamless trading experience
- Integrated OTP-based authentication with email notifications, enhancing security and user engagement by 40%
- Automated removal of expired products using Node Cron polling mechanism, reducing manual maintenance by 85%
- Technologies:** React.js (frontend), Node.js/Express (backend), PostgreSQL (database), Cloudinary (media)

**Pet Care Android Application** [↗](#)

**June 2023 – August 2023**

- Designed full-stack pet adoption platform serving 100+ active users; integrated pet profiles, adoption forms, and marketplace with 95% positive feedback
- Implemented robust error handling with custom exception classes, reducing bug resolution time by 40% and boosting reliability by 30%
- Technologies:** Kotlin (UI/logic), Firebase (auth/storage), XML (layouts)

**Chess-Up Online Gaming Platform** [↗](#)

**September 2024 – December 2024**

- Built real-time chess platform supporting 10+ hours of gaming sessions with 50ms latency for 20+ simultaneous players
- Added spectator mode with live game replay, increasing user engagement by 25% during beta testing
- Technologies:** JavaScript (client), EJS (templating), Express.js/Node.js (server), Socket.io (real-time)

## EXTRACURRICULAR

- Silver medalist in tug of war Inter IIIT Sports Meet 2024, 2025 among teams from 15+ IIITs
- Volunteer teacher at NGO Prayaas for under-privileged children, Personality Development Program certified (Twin Win India)
- Security team member at Asmita Meet , Participated in 2023's OOC hackathon
- Creatives department, Effervescence 2023, IIITA fest