Harsh Kumar

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EDUCATION

- **Indian Institute of Technology(IIT) Patna** — Nov 2022 - May 2026 (Expected)
  BTech in Artificial Intelligence and Data Science — *CPI: 8.26*
- **CCA School, Gurugram, Haryana** — Apr 2019 - Mar 2021
  Class 12- Central Board of Secondary Education(CBSE) — *Percentage: 96.2%*
- **CCA School, Gurugram, Haryana** — Apr 2019 - Mar 2021
  Class 10- Central Board of Secondary Education(CBSE) — *Percentage: 97.4%*

PROJECTS

- **Faculty Recruitment Portal (Full Stack Development)** — **Source Code**
  Prof. Mayank Agarwal (IIT Patna) — *Mar- May 24*
  - Developed an interactive website for campus hiring and storing data with an organised database.
  - Key features include: Secure user creation and login; dynamic form manipulation; responsive web design; simultaneous data storage and retrieval; immediate document preview functionality.
  - **Tools and Technology used:** HTML, Tailwind CSS, MySQL, Node.js, Express, EJS
- **Tic-Tac-Toe Game** — **Source Code**
  Prof. Chandranath Adak (IIT Patna) — *Mar 24*
  - Developed an AI-based Tic-Tac-Toe game with unbeatable gameplay, computer has 100% win/draw rate
  - Key features include: Alpha-beta pruning to reduce time by 20% , minimalist and intuitive UI.
  - **Tools and Technology used:** Python, Min-Max Graphs, Alpha-beta pruning algorithm
- **Weather Android App** — **Source Code**
  - Developing a comprehensive weather app for android devices, providing real-time weather updates and forecast (In Progress)
  - Key features planned: Weather comparison across multiple locations, user authentication, notification service for emergency weather alerts, engaging UI for user retention
  - **Tools and Technology used:** Kotlin, Firebase, Android Studio, openweathermap API

ACCOMPLISHMENTS

- **Specialist** on CodeForces with highest rating **1584** at the handle **harshkumar3.14**.
- Secured an All India Rank of **6894** out of more than **2 lakh** candidates in JEE Advanced 2021.
- Rank 1132 in CodeForces Round926(Div 2) among 20000+ contestants with handle **harshkumar3.14**.
- Finalist in **Smart India Hackathon 2023** for an AI based dermatology app idea among 45000+ teams.

SKILLS/RELEVANT COURSEWORK

- **Programming Languages:** Fluent in C/C++, Comfortable in Python, Kotlin, JavaScript, Object Oriented Programming.
- **Development Tools and Skills:** Node.js, Express, Git/Github, HTML, Tailwind CSS, MySQL, Android, Bash/Unix Scripting, UI/UX, Figma
- **Relevant Courses:** Programming and Data Structures, Algorithms, Databases,Deep Learning, Bayesian Data Analysis, Probability Theory and Random Processes, Linear Algebra, Mathematical Statistics, Machine Learning and Data Science, Operating Systems, Computer Networks

POSITION OF RESPONSIBILITY

- **Design Coordinator** in **Celesta, techno-management fest of IIT Patna**. — *Mar 2024- Present*
  Curated digital assets for the fest and coordinated the team to ensure design consistency
- **Coordinator** of **House Of Oratory Talents**, IIT Patna. — *May 2024- Present*
  Oversee and participate in several oratory and debating events within and outside the college
- **Sub-coordinator** in **Google Developer Student Clubs, IIT Patna.** — *Jun 2023- Mar 2024*
  Organised workshops and mentored students for real world technological applications.