

# Manish Kumar

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## EDUCATION

- Indian Institute of Information Technology, Lucknow  
*Bachelor of Technology - Computer Science and Business; CGPA: 9.21* Lucknow, UP  
Jul'23 - Jul'27
- Harpati Memorial Public School  
*CBSE Class X - 96.6% | CBSE Class XII - 95.2%* Bijnor, UP  
Mar'19 - May'22

## SKILLS SUMMARY

- Languages: JavaScript, TypeScript, Java, Python, SQL, C++.
- Courses: Object-Oriented Programming, Data Structures and Algorithms, Operating System, Computer Networking, Database Management System.
- Technologies: Linux/UNIX, Regex, Postman, Docker, Git, Appwrite.
- Frameworks and Libraries: Next.js, React, Node, LangChain, Express, Redux, SpringBoot, Hono.
- Web Development Tools: AWS, MongoDB, Prisma, Postgresql, Three.js, Next.js, Node.js, Express.js, Tailwind CSS.

## PROJECTS

- Topic Maker Apr'25  
*Dynamic Real-Time Lesson Planner* Hono, React, PostgreSQL, FastAPI, Gemini API, crawl4ai, LangChain
  - AI-Powered Lesson Authoring: Built an AI-driven platform that generates context-aware educational content by combining large language models with web crawling.
  - Smart Crawling & Prompt Optimization: Integrated Google Gemini LLM with crawl4ai to enable real-time contextual crawling, relevance scoring, and prompt optimisation.
  - Interactive MDX Content Editor: Designed a React-based MDX editor featuring live preview and structured content refinement.
  - User Authentication & File Management: Implemented secure OAuth2 login via Kinde Auth, alongside file storage and user management using Bun, PostgreSQL, and Drizzle ORM.
- Absens Feb'25  
*Reuniting loved ones* MERN, Redux, Tensorflow, Keras, FaceNet, Dialogflow
  - AI-Powered Missing Persons Detection: Built a platform leveraging facial recognition and AI-driven age progression to identify and help reunite missing individuals, even after years.
  - Secure Identity Management: Implemented a robust authentication and authorization system to ensure only verified users and authorities access sensitive data.
  - Real-Time Nationwide Alerts: Enabled instant match notifications and sighting reports across the country to accelerate discovery and response efforts.
- TourBuddy Aug'24  
*Explore, Discuss and Review* EJS, JavaScript, Node.js, Express.js, MongoDB, Socket.IO, Gemini API
  - Real-Time Group Trip Planning: Enabled live group conversations supporting multiple users simultaneously for smooth, collaborative itinerary planning.
  - AI-Powered Destination Insights: Integrated a large language model to generate tailored, descriptive destination overviews for enhanced trip discovery.
  - Smart Search with Live Weather: Built an advanced filtered search system with significantly faster query times and integrated real-time weather data to support informed travel decisions.

## ACHIEVEMENTS

- Most Creative AI Idea Winner **@Hackofiesta v5**
- Special Mention from **Equinox World MUN**, 2023 for representing Cuba in UNHRC, Certificate
- Rated **4-star** at **Codechef**, Max. Rating:1889, Id: manishk5507
- Rated **Specialist** at **Codeforces**, Max. Rating:1564, Id: \_\_.Manish.\_\_
- Rated **Knight** at **Leetcode**, Max. Rating: 1845, Id: Manishk5507
- Achieved **Global rank 59** in Codechef Starters 195. [Link](#)
- Achieved **Global rank 1201** in Codeforces Round 1003 (Div. 4) among 25000+ participants. [Link](#)
- Solved **800+** questions across all the platforms.

## POSITION OF RESPONSIBILITY

- Web Wing Member, Axios (Technical Society at IIITL) Jul'24 - Present
  - Trained web development to more than 200 students.
  - Organized hackathons and coding(Web) events to strengthen the web culture on campus.
- Member E-Cell, IIIT Lucknow Jun'24 - Present
  - Managed volunteers team and ensured teamwork and timely work delivery.
  - Coordinated with cross-functional teams to organize technical fests in college.