Akhand Pratap Singh

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EDUCATION

- **Indian Institute of Information Technology, Design, and Manufacturing** — Jabalpur, India
  Bachelor of Technology - Electronics And Communication Engineering; GPA: 8.0 — *December 2021 - May 2025*

SKILLS SUMMARY

- **Languages/Frameworks**: SpringBoot,C++, HTML, CSS, JavaScript,NodeJS,ReactJS.
- **CS core**: DBMS, OOPS, Operating System, Computer Networks.
- **Tools**: MongoDB, Windows.
- **Soft Skills**: Analytic Thinking, Creative, Leadership, Event Managment.

CODING PROFILES

- **Codeforces**: singhakhand (Expert)   Rating: 1655 (Solved more than 800 questions)
- **Leetcode**: singhakhand (Guardian) Rating: 2181 (More than 600 questions)
- **CodeChef**: akhand$_2$8   *Rating* : 5*starcoder*
- **GFG**: singhakhand (More than 200 questions)
- **Github**: singhakhandcf

EXPERIENCE

- **Intern @Aakash Educational Services(AESL)** — On-Site
  Software Developer Intern — *January 2025 - Present*
  - Implemented CC Avenue Payment Gateway Integration.
  - Implemented encryption and decryption mechanisms for secure transaction data exchange
  - Designed and developed a singleton-based caching service in Node.js to optimize retrieval of static data (States, Cities, Classes, Streams).
  - Optimized performance by implementing a caching mechanism in Java Spring Boot, reducing redundant computations and improving response times.

- **Intern @FootPrints** — Remote
  Software Developer Intern — *January 2024 - March 2024*
  - Spearheaded the transition from paper-based form filling and approval processes to a digital platform built using the MERN stack significantly improving operational efficiency and minimizing manual errors.
  - Developed a robust backend system with 20+ API endpoints, incorporating authentication and authorization mechanisms to ensure secure data handling and smooth integration across the platform.

Personal Projects

- **Bibliotica- A Library of Books(MERN Stack)**: *(View Project)*
  - Developed a full-stack Library Management System using MongoDB, Express.js, React.js, and Node.js, enabling users to manage books effectively .
  - Integrated user authentication with secure login and role-based access control for administrators and members..
  - Implemented CRUD operations for books, authors, and users to facilitate seamless library operations..
  - Documented the project with clear technical specifications and user guides for ease of use and maintenance..

  Tech Stack: ReactJS, NodeJS, ExpressJS, MongoDb, Bootstrap

- **Newscribe - Serverless news delievery system**: *(View Project)*
  - Designed and developed a dynamic news application utilizing the HackerNews API, enabling users to stay updated on the latest news based on their preferred topics and authors.
  - Employed a serverless architecture using Netlify Functions, integrated with Node.js and Express.js, ensuring efficient handling of API requests and enhancing scalability.

  Tech Stack: React , Typescript , NodeJS , ExpressJS , Mongodb , Serverless , HackerNews API

ACHIEVEMENTS

- Secured a global rank of **231** in one of the Codeforces Round and Under 700 Ranks Multiple times on Codeforces
- Achieved a title of **Expert** on Codeforces **5 STAR** on Codechef and **Guardian** on Leetcode
- Won Gold in chess in Inter IIIT Event conducted in IIIT Kanchipuram
- Secured 3rd Position in Collegite Chess League by chess.com

VOLUNTEER EXPERIENCE

- **Chess Club Cordinator** — Jabalpur, India
  Organized several inter college tournaments successfully. — *Present*
- **Core Member Of Programming Club** — Jabalpur, India
  Organized several coding sports for my college. — *Present*