Arpit Singh

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EDUCATION

Indian Institute of Technology Patna   2022-2026(Expected)
Bachelor's degree in Mathematics And Computing   *CPI:8.37/10*

EXPERIENCE

Growth Intern and Mentor   June 2023 – July 2023
Fact App   *Remote*
- Operated a platform with 30,000+ mentors dedicated to fostering networks among students and faculties.
- Guided 60+ aspirants and mentored them in JOSAA counseling, ensuring optimal college selection.
- Directed marketing campaign, achieving a 50% increase in user acquisition and a 20% boost in engagement through innovative advertising strategies and optimized teamwork dynamics.
- Executed an app promotion webinar for 200+ students, showcasing IIT Patna among 23 IITs, effectively attracting JEE Advanced qualifiers through engaging representation.

PROJECTS

Employee Management System | *Node.js, MongoDB, Express.js, Mongoose* ⬀   June 2024 – August 2024
- Developed a **web-based Employee Management System** using the (MongoDB, Express.js, Node.js) stack.
- Implemented **CRUD operations** (Create, Read, Update, Delete) for managing employee records efficiently.
- Devised a comprehensive routing protocol with Express.js that improved system stability, achieving zero downtime during peak usage periods and increasing overall application resilience while managing over 1,500 daily user interactions.
- Utilized MongoDB as a NoSQL database for secure and scalable storage of employee information.
- Focused on creating a robust and user-friendly interface for managing employee data.

Task Scheduler | *Priority Queue, C++, Oops* ⬀   May 2023 – June 2023
- Developed a C++ program to assist university professors in organizing tasks based on categories and priorities.
- Utilized a Priority Queue Data Structure to manage and schedule tasks efficiently.
- Ensured tasks are executed in order of their priority, aiding in effective time management and task handling.
- The program handles tasks of the same priority without distinguishing their order.

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, SQL, HTML/CSS
Libraries/Framework: Pandas, NumPy, Node.js, MongoDB, Express.js
Developer Tools: Visual Studio Code, Git, Github, Postman
Soft Skill: Team Management, Analytical Thinking
Relevent Coursework: Data Structures & Algorithms, Discrete Maths, OOPS, DBMS, Probability & Statistics

ACCOMPLISHMENTS

- **Codeforces:** Max Rating-1200 (PUPIL): **Profile Link** ⬀
- **Leetcode:** Solved 200+ Problems: **Profile Link**⬀
- Ranked **AIR 3204 (Top 0.3%)** out of more than 1.2 million candidates in **JEE Mains 2022**
- Ranked among **top 0.5% percent** in **JEE Advanced 2022**

POSITIONS OF RESPONSIBILITY

Training and Placement Cell | *Core Member*   April 2024 – Present
- Part of **C&ph Group** of Tpc Team.

Entrepreneurship Cell, IITP | *SubCoordinator*   April 2023 – March 2024
- Part of Event organizing committee. Conducted Alumni interaction for **300+ students**.
- Responsible for inculcating the Entrepreneurship culture in IITP & Eastern India.
- Participated in **ICC Of The Semiconductor Conundrum Case Study** Business Club, IITKGP 2023 |