Kushagra Jain

✉ kushagra12jain@gmail.com | in Kushagra Jain | ⌂ github.com/0kaju12

EDUCATION

Indian Institute of Information Technology, Allahabad   Prayagraj, India
Bachelor of Information Technology **Current CGPA - 7.67**   *2021 – 2025*

Shri Krishna Public School (12th)   Indore, India
Percentage - 81%   *2020 – 2021*

Shri Krishna Public School (10th)   Indore, India
Percentage - 84%   *2018 – 2019*

EXPERIENCES

VSKTechX (THYNK SOFTWARE) - Frontend Developer Intern   January 2024 - April 2024
React.js, API Integration, HTML, CSS, JavaScript   *Remote*

- Engineered and implemented robust login systems and seamless **OTP verification** features using React, ensuring secure and user-friendly authentication processes.
- Developed and optimized fully-featured websites, incorporating advanced React capabilities and integrating **APIs** to deliver a high-performance user experience.
- Utilized **Redux** Toolkit to architect scalable and maintainable state management solutions, enhancing application efficiency and consistency.

PROJECTS

⌂ **Automatic Chess Engine** | *Python, Git, Algorithms*

- Designed and implemented a chess engine with multiple strategies, including naive and advanced techniques, to enhance strategic gameplay.
- Incorporated sophisticated algorithms such as alpha-beta pruning, minimax, and greedy algorithms to optimize move selection and reduce computational complexity.
- Implemented an user-friendly graphical interface to visualize the game state and moves, and integrated a robust testing framework to validate algorithm performance and ensure accuracy.

⌂ **Cop Controller Center (CCC)** | *React, React Native, Node.js, Express.js, Google Maps API, MongoDB*

- Prepared a React-based web controller application with **Google Maps** integration for real-time deployment orders.
- Created a React-based mobile application for cops to request backup and view deployments, significantly enhancing operational efficiency.
- Engineered a Node.js backend to create APIs and facilitate seamless communication between the web controller, mobile app, and external systems.

⌂ **Fantasy Website** | *React, HTML, CSS, JavaScript, API Integration*

- Integrated **Fast2SMS API** for secure and efficient phone number authentication, ensuring robust login functionality via OTP.
- Designed and built a **fully responsive** website, catering to both mobile and desktop users, ensuring seamless user experience across all devices.
- Architected and wrote over 30,000 lines of code to create a comprehensive platform, incorporating various API calls to support its extensive functionalities.

ACHIEVEMENTS AND CODING PROFILES

Solved over 600+ coding challenges on various coding platforms.

Achieved a global rank of 217 in **CodeChef** Starters 144.

Secured a global rank of 2844 in **Codeforces** Round 961

Placed in the **top 20** at the Mahakumbh Hackathon 2024.

TECHNICAL SKILLS

Languages: Java (basic), C/C++, SQL, JavaScript, HTML/CSS, Python
Frameworks and Libraries: PyTorch, Scikit-Learn, NumPy, Pandas, Matplotlib, Node.js, Express.js
Database: MongoDB, MySQL

KEY COURSES TAKEN

Courses: Database Management Systems, Operating Systems, Data Structures, Computer Networks