Shikhar Joshi

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EDUCATION

Dr. Akhilesh Das Gupta Institute of Professional Studies　　　　　　　　　　　Delhi, India
Bachelor of Technology - Electronics and Communication Engineering; CGPA: 7.82　　　*2018 - 2022*

EXPERIENCE

Tutor　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Dec 2023 – Present
Course Hero

- Leveraged advanced **Computer Science principles** to develop detailed, step-by-step solutions for a diverse set of academic problems.
- This led to a 30% improvement in problem-solving efficiency and a 25% increase in academic performance.
- The solutions served as valuable aids for students, helping them grasp complex subjects and boosting their problem-solving abilities.

PROJECTS

TravelGuide.AI | *ReactJs,Tailwind CSS, Firebase, Gemini*　　　　　　　　　Live | GitHub

- Designed the application to assist users in creating customized travel plans, streamlining the process of finding and booking travel destinations and accommodations.
- Integrated Gemini AI to provide personalized recommendations for itineraries, hotels, and travel spots, enhancing user experience and trip planning efficiency.
- It provides smooth transaction processing and communication with the **database for efficient data storage and retrieval**.

CarePulse | *NextJs, Appwrite, Tailwind CSS, Twilio*　　　　　　　　　　　Live | GitHub

- A healthcare patient management System enabling patients to register, book and manage doctor appointments.
- It features tools for scheduling, confirming, and canceling appointments, along with SMS notifications.
- Ensured a seamless experience across devices with responsive layouts and user-friendly navigation.

Portfolio Website | *ReactJs, Tailwind CSS*　　　　　　　　　　　　　　　Live | GitHub

- Designed and developed a dynamic portfolio website using ReactJs, incorporating **engaging animations with Framer** for an interactive user experience.
- Enhanced website performance and responsiveness, ensuring cross-device compatibility and smooth animations to showcase projects effectively.

Trading Platform Algorithm | *NodeJs, ExpressJs*　　　　　　　　　　　　　　　GitHub

- Developed a **robust order book system** to handle and process **high-frequency trading** orders efficiently.
- Designed and implemented core functionalities including real-time market data, trade execution, and user account management.

File Zipper | *HTML, CSS, JavaScript*　　　　　　　　　　　　　　　　　Live | GitHub

- Developed a file compression tool.
- Implemented **Huffman coding** for efficient file compression, optimizing data storage and retrieval.
- The application allows users to **compress text files** into an encoded file directly from the browser.
- Implemented features for **user-friendly interaction** and **seamless download** of the compressed file.

TECHNICAL SKILLS

Languages: C++, Java, JavaScript, Python, TypeScript, HTML, CSS
Frameworks: NodeJs, ReactJs, ExpressJs,ShadCN/ui
Databases: MongoDB, Firebase, Appwrite
Developer Tools: GIT, PostgreSQL, MySQL, SQLite

ACHIEVEMENTS

- Open Source Contributor & actively participates over hackathons to resolve real world problems.
- Open Source Contribution to **JP Morgan Chase & Co**. Fixed broken files in the repository to make web application output correctly.
- Earned 100 days badge on Leetcode for consistently solving problems and solved 120+ questions.