YUGAL KAUSHIK

Computer Science Student

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— WORK EXPERIENCE —

Software Development Intern | Persist Ventures   *Remote, September 2024 - October 2024*

- Built a responsive analytics dashboard using Next.js and TypeScript, implementing server-side rendering that improved data loading performance by 35%
- Integrated React Query for efficient data fetching and state management, reducing API call overhead and implementing robust error handling mechanisms
- Developed interactive data visualization components using Recharts library, enabling users to analyze complex datasets through intuitive chart representations
- Resolved CORS issues and optimized data formatting for API integration, improving data retrieval efficiency

Open Source Contributor & Team Member   Kolibri | **OpenZIM**

- Collaborated with the maintenance team to modernize UI components using Vue.js and TypeScript, improving the overall user experience and visual consistency.
- Participated in weekly maintainer meetings to discuss project direction and review code changes.
- Improved project documentation clarity and structure, reducing new contributor setup time by 40% and decreasing first-time configuration issues by 35%.
- Assisted in bug fixing initiatives by helping identify issues, participating in debugging sessions, and testing solutions

— SKILLS —

Programming Languages: C++, JavaScript, TypeScript

Frontend: HTML5, CSS3, React.js, Next.js, TailwindCSS

Backend: Node.js, Express, REST APIs

Database/Cloud: MySQL, MongoDB, Redis

Platforms: Windows, Linux

Developer Tools: Git & GitHub, Postman, Dockers

Soft Skills: Effective Communication, Analytical thinker, Strong Problem-Solving Skills, Adaptability

— PROJECTS —

Sparkle: E-commerce | React, Node.js, MongoDB | [GitHub]   🔗 **live**

- Optimized image assets and implemented lazy loading to reduce load times by 18%.
- Enhanced front-end performance through code-splitting and efficient resource management.

Nova: Website Suggestion Chatbot | Express, Node.js, React | [GitHub]   🔗 **live**

- Engineered an intelligent chatbot to suggest websites for specific tasks and learning website.
- Improved recommendation accuracy by refining data preprocessing and optimizing the overall user experience.

The Cipher | Next.js, TypeScript, TailwindCSS | [GitHub]   🔗 **live**

- Leveraged TypeScript and React to build an interactive, visually authentic 90s-style newspaper website, highlighting advanced frontend development and UI/UX design skills.
- Crafted a responsive, retro-inspired layout with custom CSS, ensuring pixel-perfect design and smooth user interactions across devices, demonstrating expertise in creating engaging and immersive user interfaces.

Student-Management System | C++ | [GitHub]

- Architected a system to streamline student records and course data management.
- Developed features for efficient student enrollment and improved course administration.

— EDUCATION —

Shree Guru Gobind Singh Tricentenary University   *Gurugram, India 2022 - 2026*

B.Tech in Computer Science and Engineering

Course Work: Operating Systems, Computer Networks, Database Management Systems, Object-Oriented Programming (Java), Software Engineering

— CERTIFICATIONS & ACHIEVEMENTS —

JP Morgan Chase & Co. Software Engineering Certification

Postman API Fundamentals Student Expert Certificate

Geekster Certifications: MySQL   JavaScript   Git & GitHub

Open Source Contributor: Roadmap.sh and OpenZIM

Technical Author: Published articles on daily.dev.

— LEADERSHIP —

Co-Ordinator of University Code Club: Led and organized coding workshops, fostering collaboration and skill development among students in programming and software development.

Student Mentor: Guided and supported freshman students in their academic journey, enhancing their coding skills and facilitating their transition into university life.