AYUSH BARANWAL

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Linkedin | Github | Portfolio

About Myself

Final-year Computer Science student with strong skills in MERN stack development, PHP, and Java programming. Experienced in building full-stack web applications, backend APIs, and database driven solutions. Passionate about problem-solving, scalable architecture, and delivering efficient, user-focused software.

Projects

Stock-Portfolio Website   (Github Repository Link)

- Built a full-stack stock portfolio tracking website using React (frontend) and Node.js/Express (backend)
- Integrated real-time stock price data and portfolio analytics for personalized user insights
- Implemented Redis for caching and MongoDB for persistent storage, ensuring fast and reliable performance
- Developed responsive design with dark/light theme toggle, animated components and user authentication with JWT tokens for enhanced user experience

Chating Application   (Github Repository Link)

- Serverless Full Stack Website with Real time communication
- Designed a user-friendly frontend interface using HTML,CSS, and Javascript
- Deployed the application locally for demonstration and tested scalability with multiple concurrent users after hosting

PHP-based Email Subscription System   (Github Repository Link)

- Secure email verification and unsubscribe functionality using file-based storage
- Integrated daily XKCD comic delivery via a CRON job that fetches and formats random comics using the XKCD public API.
- Ensured modular and maintainable code structure by implementing all logic within the src/ directory following strict project constraints.
- Implemented robust email workflows including verification codes, automated HTML email formatting, and unsubscribe links for user management.

Technologies

Knowledge in: C, OOPS using Java, Data Structures and Algorithms

Frontend Technologies: HTML, CSS, Tailwind CSS, Javascript, React.js, Typescript

Backend Technologies: Node.js, Express.js, PHP

Database Management: MySQL, MongoDB

Development Tools: Git, Github, VS Code Editor

Education

Kalinga Institute of Industrial Technology, B.Tech in Computer Science Engineering   2022 – Present

- CGPA: 7.82

Don Bosco School, 12th   2020 – 2022

- Percentage: 65.5

Don Bosco School, 10th   2010 – 2020

- Percentage: 92.6