Amandeep Singh Khalsa

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Skills

Front-End: HTML, CSS/Tailwind CSS, JavaScript, ReactJS, NextJS.

Back-End: Node.js, Express.js, Java.

Database: MySQL, MongoDB.

DevOps: AWS, Git, GitHub, Docker, Jenkins, CI/CD.

Other: Strong Communication Skills, effective in Collaborative workflows, experienced in delivering high-quality Software Solutions with reliable Coding practices.

Projects

QuickCart– Ecommerce Website [Link]   GitHub
Tech Stack: Next.js, React, Tailwind CSS, Clerk, Inngest, MongoDB, Node.js, Stripe.
- Developed a full-stack ecommerce site with role-based access using Clerk and dynamic API routes in Next.js.
- Integrated Inngest for event-driven workflows, enabling asynchronous user and order synchronization with MongoDB.
- Built scalable data models and implemented secure Stripe payments with dynamic cart and address management.

Weather Dashboard [Link]   GitHub
Tech Stack: React, Tailwind CSS, OpenWeatherMap API.
- Designed and implemented reusable Front-End UI components in React for a visually appealing dashboard.
- Integrated OpenWeatherMap API to fetch real-time data and implement responsive Web design practices.
- Ensured Scalability and smooth performance across devices.

DevOps Automation Pipeline   GitHub
Tech Stack: Node.js, Jenkins, GitHub, Docker, Webhooks, CI/CD, Shell Scripting.
- Designed and deployed a scalable Back-End Node.js application integrated with Jenkins using GitHub Webhooks.
- Created automated CI/CD workflows to simulate real-world fast-paced DevOps environments.
- Collaborated with peers on containerization using Docker, focusing on repeatable builds and reducing manual errors.
- Applied Programming best practices and implemented automation to improve system performance and deployment scalability.

Achievements

- Led media and photography for two major events, *Vibes* and *Foragers 3.0*, organized by D2C Igniters club, driving participation of over 300 students and enhancing event visibility through creative content.
- Coordinated and managed media coverage as Media and Photography Lead, increasing club engagement on social platforms by 30%.
- Completed the #100DaysOfCode challenge, consistently building projects and honing development skills through daily hands-on practice.

Education

Vellore Institute of Technology, Bhopal   Sept 2022 – Exp.2026
B.Tech. in Computer Science, *GPA:8.83*