

Lovepreet Mehra

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EDUCATION

Bachelor of Computer Science

Post Graduate Government College, Panjab University | 2021-2024

Higher Secondary (CBSE)

Government Model Senior Secondary School, Chandigarh | 2020-2021

Diploma in Computer Application

Brainstorming of IT & Commerce | 2023-2024

TECHNICAL SKILLS

Front-End: HTML, CSS, JavaScript, React.js, Redux, Tailwind CSS

Back-End: Node.js, Express, Rest APIs, JWT, Sequelize

Database: PostgreSQL, MySQL

Testing: Jest

Integrations: WhatsApp Business API

Tools: Git, Postman

WORK EXPERIENCE

Full Stack Developer Intern | Instep Technologies Pvt Ltd | Feb 2025 – June 2025

Enhanced system reliability and user experience for business applications:

- Stabilized critical business platforms by debugging authentication and permission systems
- Resolved 65% of user access issues through targeted login flow improvements
- Accelerated data integration processes by 90% via API solutions
- Improved system stability by debugging critical legacy code issues

PROJECTS

FitWithPari - Live Fitness Platform (Full Stack)

- **Lobby Routing System** ([fwp-coach-portal](#))
 - Developed real-time coach dashboard visualizing users & classes within ± 15 minute windows
 - Built drag-and-drop user assignment interface using React.js
 - Implemented automated Zoom URL routing with token authentication
 - Created attendance tracking system with PostgreSQL integration
 - Impact: Reduced coach coordination time by 70% through automation
- **Secure Authentication System**
 - Redesigned registration/login flow using WhatsApp Business API
 - Implemented password less authentication via time-limited deep links
 - Developed token management system with MySQL backend
 - Impact: Reduced login time by 30% and eliminated password-related support tickets
- **Tech:** React.js, Node.js, Express, Zoom API, Sequelize

FiniqBook – E-commerce Platform (Full stack)

- **GitHub:** [Finiqbook](#)
- Rescued stalled project by fixing critical backend errors, enabling near-live deployment
- Architected role-based access system serving 4 distinct user roles with customized data permissions
- Built essential e-commerce modules: product catalog, order processing, and invoice generation
- Unified cross-platform access: Flutter mobile apps + React.js admin portal
- **Tech:** Node.js/Express (Backend), PostgreSQL (Database), JWT (Auth), Sequelize (ORM)

Vendor Portal

- Implemented a system to fetch vendor data from SAP via API, ensuring seamless integration and data transfer.
- Efficiently stored vendor data in a MySQL database, maintaining data integrity and accessibility.
- Developed functionality to retrieve and utilize the stored data in the vendor portal, facilitating smooth and effective data interaction.
- Use HTML, CSS, and React js to build a user-friendly and responsive interface.
- Utilized Node.js and Express to create a robust back-end system, ensuring reliable performance and scalability.
- Streamlined vendor management processes by providing an intuitive interface for efficient interaction and visualization of vendor data.