

# Leonardo Fernandes

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## EDUCATION

### VIT Bhopal University

Integrated M.Tech - Computer Science Engineering

Bhopal, India

Aug 2022 – Jun 2027

### Pace Junior Science College

Higher Secondary

Mumbai, India

Apr 2020 – Mar 2022

## EXPERIENCE

### Software Development Engineer Intern

Nov 2024 - Feb 2025

*myresQR.life*

Bangalore, India

- Spearheaded the development and maintenance of **5+ high-traffic web platforms**, improving scalability and usability for a diverse user base of **500+ individuals**.
- Refactored and optimized **frontend components**, implementing **efficient rendering techniques** that **reduced page load times by 30%** and **decreased bounce rates by 40%**
- Architected **high-performance API interactions**, collaborating closely with backend developers to **optimize data flow** and **accelerate data retrieval by 25%**, ensuring seamless real-time updates.

## PROJECTS

### QuikNote | *React, Tailwind, Appwrite*

GitHub

- Designed and implemented a **collaborative sticky notes system** with **drag-and-drop** functionality, boosting user engagement for **50+ active users**
- Integrated **secure authentication with Appwrite** and **personalized dashboards**, increasing user retention by **40%** and improving note accessibility.
- Enhanced **real-time note management** by leveraging Appwrite's **database services**, reducing CRUD operation latency by **30%** and improving overall system responsiveness.

### PropertyPulse | *React, Node, Express, MongoDB*

GitHub

- Built a real estate platform with advanced filtering and map-based search, leading to a **50% increase in property discovery efficiency** across 120+ active users.
- Implemented role-based dashboards and listing tools for agents, reducing property posting time by **35%** and boosting agent productivity.
- Optimized MongoDB queries and server-side rendering logic, decreasing average listing load time by **42%** and improving user retention rates.

### EchoVault | *NextJs, Next-Auth, Tailwind, MongoDB*

GitHub

- Devised an AI-driven feedback engine using **Google Gemini** and **Vercel AI sdk** to automate the analysis and categorization of user feedback, **reducing manual moderation efforts by 35%**
- Designed and integrated a secure user authentication system with **NextAuth**, **improving onboarding flows by 50%** and reducing user drop-off rates by enhancing the overall experience.
- Leveraged **MongoDB aggregation pipelines** to optimize feedback data processing, **reducing database query time by 35%** and improving overall platform efficiency.**25%**

## EXTRA-CURRICULAR ACTIVITIES

- Co-lead the Technical Team at the Blockchain Club VIT Bhopal, managing **100+ participants** and executing **4+ web application projects**, boosting technical skills and community engagement.
- Published technical blogs covering web development, app development, blockchain and generative AI with **300+ views** fostering community discussion
- Developed the official website for adVITYa'25, the annual techno-cultural fest of VIT Bhopal University, achieving over **435,000+ hits**.

## TECHNICAL SKILLS

**Languages:** C++, Python, SQL, JavaScript/Typescript, HTML/CSS

**Frameworks:** ReactJs, NodeJs, ExpressJs, MongoDB, PostgreSQL Tailwind

**Developer Tools:** Git, Docker, Figma, Postman, Appwrite

**Other Skills::** Data Structures, Algorithms, Front-End, Back-End, Full-Stack, Cryptography