

KRISH AHLAWAT

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EDUCATION

Vellore Institute of Technology

Integrated M.Tech in Software Engineering

Vellore, Tamil Nadu

Aug 2023 - Present | CGPA: 8.00/10

EXPERIENCE

Software Developer Intern

JCB India Ltd.

May 2025 - Jul 2025

Ballabgarh, Haryana

- Built an Electron + React desktop dashboard that parses and visualizes 48,500+ engine test XML files, replacing a fully manual review workflow and cutting file-load times from minutes to seconds.
- Fixed main-process freezes caused by synchronous directory walks by moving file I/O off the event loop, and resolved cross-platform Chokidar file-watcher bugs (path normalization, awaitWriteFinish tuning) to enable reliable real-time updates on Windows.
- Packaged and shipped the app as a Windows installer using electron-builder (NSIS, HashRouter for file:// compatibility), taken into daily use by engineering staff.
- Designed and built a full-stack SOP Management System (Next.js, NestJS, Supabase/PostgreSQL) for the Operations team to create, translate, and export Standard Operating Procedures, replacing a manual document process.
- Implemented Google OAuth authentication with JWT-based auto-logout, and a Python/win32com Excel export pipeline via a dedicated Flask worker to automate COM-based document generation.
- Added multi-language translation (Hindi, Marathi) via the MyMemory API and deployed the system across Vercel, Railway, and Supabase for production use.

Managing Director

VITrendz

Feb 2025 - Feb 2026

Remote

- Led a 30-member student media organization, overseeing content strategy, technical projects, and team operations.
- Directed development of vitrendz.in (Next.js, JavaScript, Node.js), improving load speed by 35%.
- Shipped VIT CGPA Calculator and FFCS features used by 5,000+ students.
- Set up CI/CD with GitHub Actions and Vercel, cutting deployment time by 60%, and improved SEO/UX to boost traffic by 45%.

Frontend Developer Intern

ValsCo Technology

Jul 2024 - Sep 2024

Remote

- Led an 8-member team building and optimizing reusable React.js and Tailwind CSS components for production use.
- Built responsive, accessible UIs that improved user engagement across devices.
- Managed sprint workflow, code reviews, and feature delivery, improving team efficiency by 20%.

PROJECTS

Real-time Collaborative Docs | [link](#)

Next.js, Convex, TypeScript, Node.js

- Built a real-time collaborative document editor (demo: collaborative-docs-rho.vercel.app) supporting simultaneous multi-user editing with live sync via Liveblocks.
- Engineered a Convex backend managing 10,000+ documents with cross-device sync, deployed on Vercel with <2s load time and 99.9% uptime.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C, HTML/CSS, SQL

Frameworks: React.js, Next.js, Node.js, NestJS, Express.js, Electron

Databases: MySQL, PostgreSQL, MongoDB

Developer Tools: Git & GitHub, VS Code, Visual Studio, Vercel, Railway, Figma

Concepts: Full-Stack Development, Real-Time Applications, Desktop App Development, Data Structures & Algorithms, REST APIs, CI/CD, UI/UX Design