Channaveer B S

Full Stack AI Engineer

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Experience

Software Development Intern @ L&T Technology Services
Bengaluru , On-site *Feb 2026 - Aug 2026*

- Hardened application security by resolving 8 vulnerabilities, including user enumeration, password exposure through improper input masking, input validation flaws, and clickjacking, while implementing security headers such as X-Frame-Options and Content-Security-Policy.
- Built mobile-first, responsive React UI with sidebar navigation and screen-orientation handling across key application workflows, and implemented application-wide localization (i18n) supporting 2 languages.
- Integrated 5+ backend REST APIs to support asset actions, filtering, cart/data-grid synchronization, business-state transitions, and fallback behavior.
- Improved production reliability and observability by implementing React Error Boundaries with fallback UIs across 2 modules, adding loading and error states, and integrating Winston logging across 8 backend services.
- Raised code quality and reliability by fixing 100+ SonarQube defects, resolving 15+ npm audit vulnerabilities, and writing 25+ unit tests, increasing test coverage from 60% to 92%.

Frontend Developer @ NexaWings
Remote *Nov 2024 - Jan 2025*

- Built scalable and reusable UI components using React, Next.js, and TypeScript, improving development efficiency across modules.
- Collaborated with designers and backend developers to deliver a SaaS product, ensuring seamless integration with REST APIs.
- Contributed to the design system architecture, improving consistency, reusability, and maintainability across the application.

Projects

DATAWALLET – Storage and File Sharing Platform Live Link | GitHub Apr 2025

- *Tech Stack: Next.js 15, TypeScript, Appwrite, Tailwind CSS, Git*
- Built a cloud-based file storage platform with secure authentication, role-based access control (RBAC), and session management using Appwrite.
- Integrated REST APIs for file preview, download, rename, deletion, and secure public sharing; developed storage analytics, activity tracking, global search, and multi-criteria sorting.
- Engineered a dashboard for storage analytics and activity tracking, with global search and multi-criteria sorting by name, size, and date.

FEEDFORWARD – Course Feedback Management System | GitHub Dec 2025

- *Tech Stack: Node.js, Express.js, MongoDB, JWT, bcrypt, React/Next.js*
- Designed and built RESTful APIs with Node.js, Express.js, and MongoDB for user management, course feedback, and admin operations, using request validation and middleware-based error handling.
- Implemented JWT authentication with bcrypt password hashing and role-based access control (student/admin), enforcing authorization through protected routes and middleware.

Technical Skills

Languages: JavaScript, TypeScript, C, C++, Python (Basics)
Core CS: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
Web Technologies: React.js, Next.js, Node.js, Express.js, CSS, Tailwind, Material-UI, ShadCN, REST APIs
Databases: MongoDB, Firebase, Appwrite
Cloud & DevOps: Vercel, Netlify, AWS (Basics), CI/CD (GitHub Actions), Docker (Familiar)
Tools: Linux (Ubuntu) , Git, GitHub, Postman, VS Code, WSL/CLI
AI Skills: AI-Assisted Software Development, Context Engineering, MCP (Model Context Protocol), RAG (Retrieval-Augmented Generation)

Education

BGS College Of Engineering And Technology Mahalakshmi layout, Bengaluru
Bachelor of Engineering in Information Science and Technology *Dec 2022 - Aug 2026*