

BALA SHIVA

☎ +91 8328487360 ✉ shivatadigadapa@gmail.com 💻 [tbalashiva](https://tbalashiva.com) 🌐 [Shiva-Tadigadapa](https://Shiva-Tadigadapa.com) 🌐 www.balashiva.co

Education

Lovely Professional University, Jalandhar

2021 - 2025

B.Tech in Computer Science & Engineering

7.0/10 CGPA

Work Experience

VSN Laboratories

Dec 2023 – Jan 2024

Fullstack Development Intern

Hybrid

- Engineered CMS tool, and supply chain management system to streamline and optimize company workflow and manage more than 1,000 types of drug impurities.
- Designed a website and inventory management system which manages 1,000s of orders weekly.
- Architected a highly scalable and resilient system, successfully delivering the application from inception to deployment within a two-month timeframe.

Projects

MailInbox (AI-Driven Email Management System)

[Live Link](#) - Jun 2024

- Automated Email Parsing:** Built a TypeScript-based system to integrate Gmail and Outlook OAuth, fetching and categorizing emails, streamlining email management for users.
- AI-Powered Responses:** Leveraged OpenAI and Gemini API to automatically generate and send context-aware replies 90% accurate, increasing user engagement and response rates.
- Efficient Task Scheduling:** Implemented BullMQ for task scheduling, ensuring robust and efficient email processing, reducing email response time and handling 100's of concurrent tasks effectively.

D-VALIDATE Smart India Hackathon

[Source Code](#) - Nov 2023

- Certificate Generation:** Engineered and validated certificates using blockchain technology.
- Decentralized Security:** Utilized blockchain to securely store and verify certificates, reducing the risk of forgery by 85% and ensuring tamper-proof record for over 1,000 certificate.
- Security and Integrity:** Ensured certificates were stored in a decentralized manner to prevent forgeries and maintain digital identity immutability and uses SHA-256 Hashing.

BLACKHOLE - Online

[Source Code](#) - Sep 2023

- Advanced File Sharing:** Developed a TypeScript-based app with MongoDB GridFS and Amazon S3 integration, enabling efficient file transmission in 255k chunks.
- Optimized Efficiency:** Implemented file chunking and secure delivery mechanisms, enhancing efficiency and reliability in file sharing operations, achieving transfer rates of up to 175 MB/s and reducing transmission times by 40%, ensuring rapid and dependable file delivery.

Other projects

- * **Re-Event** : user-centric event management platform, short link generation, automated RSVPs, and QR code check-in.
- * **Bankai**: Engineered a supply chain and construction management system for a construction company Modi Builders based in Hyderabad.
- * **DocX**: Developed a docker image and container management monitoring application.

Technical Skills

Languages: JavaScript, TypeScript, Java, C++

Backend: Node.js, Express.js, RESTful-API,

Frontend: React-Js, Next-Js, TailwindCSS, Framer Motion, Responsive Web-Design, UI-UX

Cloud & Databases: AWS, SQL, S3, MongoDB, Firebase

Tools and Technologies: Docker, Socket.IO, Redis, BullMQ, Postman, VS Code, git

Achievements

- * **1st Runner-up** in Hack Verse Hackathon - March 2024
- * Qualified for **Nation's Smart India Hackathon** - Dec 2023
- * **1st position** in Byte Bash Hackathon at LPU - Sep 2023
- * Submitted **Research Project** on University's DSW Website and Cloud load balancing algorithms - Jan 2023
- * **2nd place** at **I-Nureon's Techathon** at LPU - Dec 2022
- * Solved **150+** Questions in CodeChef, LeetCode, CodeForces

Open Source

- * **Developed use-context-provider**, an open-source NPM package for React with JavaScript and TypeScript support and Simplifies global state context provider creation, with widespread adoption and over 1,000 NPM downloads.
- * **Tailwind CSS Setup CLI**, A CLI tool that automates the installation and configuration of Tailwind CSS for 15+ frameworks, including React, Vue, Nuxt.js, Angular, and Svelte. Supports Vite, Create React App