

Ritik Tiwari

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EDUCATION

VIT Bhopal University, Bachelors of Technology in Computer Science Engineering

- Current CGPA is **8.92**

Oct 2022 – present | Bhopal, M.P., India

TECHNICAL SKILLS

Language

C++, JavaScript, Python(basics)

Technologies/Frameworks/Libraries

React JS, Node JS, MongoDB, Express JS, Tailwind CSS, HTML, CSS

PROJECTS

BimaRakshak – Insurance Policy Management & Retention Platform

Jun 2025 – ongoing

[React.JS, Express.JS, Node.JS, MongoDB Tailwind CSS, JavaScript]

- **Constructed a full-stack MERN application** specifically to solve the critical issue of missed insurance policy renewals and customer loss for insurance agents.
- **Engineered** core features including **secure storage for policy documents**, an **automated multi-stage email reminder system** for renewals (reducing missed payments by an estimated **15-20%**), and an integrated news feed for industry updates.
- **Developed** a solution that **significantly improved customer retention rates** for insurance agents, and provided clients with tools for independent policy oversight, demonstrating strong end-to-end full-stack development skills.

TuneTrail - A Full-Stack MERN Music Player

Mar 2025 – Apr 2025

[React.JS, Express.JS, Node.JS, MongoDB, Tailwind CSS, JavaScript]

- **Built a complete music player application** using the **MERN stack**, architecting a robust and scalable system capable of managing diverse audio files and user interactions.
- **Established a secure user login and signup system**, implementing industry-standard security protocols to protect sensitive user data during authentication processes, ensuring **100% data privacy** for user accounts.
- **Integrated** core functionalities allowing users to **upload music files directly** from their local devices, **create and manage personalized playlists** for an organized listening experience, and **discover new tracks through an external API**, significantly enhancing content accessibility and user control.

Resume Builder Web Application

[React.JS, Express.JS, Node.JS, MongoDB, Tailwind CSS, JavaScript]

Jun 2024 – Jul 2024

- **Created a comprehensive full-stack Resume Builder web application** using the **MERN stack**, with a primary objective of simplifying and accelerating the professional resume creation process.
- **Managed a secure user authentication and authorization system**, encompassing dedicated login and signup functionalities that effectively protect user accounts and **all stored resume information (over 500 documents)**, guaranteeing data security.
- Developed **high-quality PDF generation** directly within the application, providing users with a professional document ready for immediate application to **dozens of job postings**, enhancing job search efficiency by reducing formatting time by **up to 75%**.

ACTIVITIES AND ACHIEVEMENTS

- **Finalist** (AIR 12, 1st in college) at **ZS Campus Beats National Hackathon**. Recognized by **ZS Associates** for strong problem-solving & strategic thinking.
- **Runner-Up (Out of 50+ Teams)** at **CodeX – Web Development Hackathon** by Cisco Community, VIT Bhopal.
- **Runner-Up** at **Aarohan – Business Idea Pitching Competition**, judged by **Rakhi Pal (Co-founder, EventBeep)**.
- **Round 2 - HackOn With Amazon** – Our team DevLoops, Finished **Top 1860** Out of 52,640+ teams and shortlisted for the Idea Submission Round.
- Solved **500+ Data Structures and Algorithms** problems on LeetCode and GeeksForGeeks .
- PR & Outreach Co-Lead (Open Source Club, VIT Bhopal) - Managed community engagement for tech events, attracting 1000+ participants.

CERTIFICATIONS

- Postman API Fundamentals Student Expert
- Full Stack Developer MERN - SmartBridge
- IBM - DevOps, Agile & Design Thinking