

# PRAKHAR TIWARI

☎ +91-8787063396   ✉ [prakhartiware942@gmail.com](mailto:prakhartiware942@gmail.com)   💼 [linkedin.com/in/prakhartiware](https://www.linkedin.com/in/prakhartiware)   🐙 [github.com/prakhartiware](https://github.com/prakhartiware)

## EDUCATION

VIT Bhopal University

B.Tech, Computer Science Engineering

CGPA: 8.05 / 10

Expected Aug 2026

## Technical Skills

**Languages:** Java, SQL, HTML, CSS, JavaScript

**Frontend:** React.js, TailwindCSS, Redux toolkit

**Backend:** Node.js, Express.js, REST APIs, Prisma

**Databases:** MySQL, MongoDB, MongoDB Atlas Cloud , PostgreSQL

**Cloud & DevOps:** AWS (EC2 , S3 , IAM) , Docker , CI/CD using GitHub Actions

**AI / Generative AI:** Google Gemini API , Prompt Engineering , AI API Integration , RAG

**Developer Tools:** Git, GitHub, VSCode

## PROJECTS

**SkillsSprint** | MERN, Google Gemini AI, Razorpay, Cloudinary, Docker, AWS (EC2), GitHub Actions

[GitHub](#)

- Built a **GenAI-powered** semantic search using Google Gemini to enable intent-based course discovery, improving user experience.
- Designed a secure, scalable **MVC** backend with **JWT (httpOnly cookies)** and Google OAuth to support multi-role workflows.
- Implemented global payments via **Razorpay** and **CDN**-optimized media delivery with Cloudinary for fast and reliable content access.
- Containerized and deployed the platform on **AWS EC2** with **Docker + GitHub Actions CI/CD**, enabling automated testing and zero-downtime production releases.

**TeamSync** | React.js, Node.js, PostgreSQL, Google Gemini AI, Inngest, Prisma, Neon, Clerk

[Github](#)

- Engineered a **GenAI task-orchestration** system using **Google Gemini** to convert free-text project descriptions into structured workflows.
- Integrated **Clerk OAuth/JWT** and **webhook**-based sync to keep users, organizations, and permissions consistent across the system.
- Developed an **event-driven** automation pipelines using **Inngest** for reminders, deadline tracking, and workflow execution.
- Implemented a multi-tenant architecture with RBAC, Prisma, and Neon PostgreSQL to support secure, isolated workspaces.

**Talkative** | MERN, Socket.IO, Redis, WebRTC, Groq (LLaMA-3), Cloudinary, Web Crypto API

[Github](#)

- Architected a horizontally scalable **WebSocket** system using **Redis Pub/Sub + Socket.IO Adapter**, designed to support 1,000+ concurrent users across multiple server instances.
- Developed a true **End-to-End Encryption (RSA + AES-GCM)**, ensuring the server and database only handle ciphertext.
- Implemented real-time **LLM pipelines** using Groq (LLaMA-3) for **AI-powered chat** while preserving **end-to-end encryption**.
- Enabled **WebRTC** signaling over WebSockets for peer-to-peer audio/video calls, ensuring **low-latency** communication across distributed servers and Cloudinary CDN-based media delivery.

## CERTIFICATIONS

• **AWS Cloud Practitioner**

Ethnus (AWS Partner) — Jan 2025 – Apr 2025 — Credential ID: G62KDP2T

• **MERN Full Stack Developer Certification**

Ethnus — Jan 2025 – Apr 2025 — Credential ID: X53XC2TH

• **DevOps Foundations: Continuous Delivery & Continuous Integration**

LinkedIn Learning (CompTIA CEU aligned) — Dec 2025

• **Docker for Developers**

LinkedIn Learning — Dec 2025

## EXTRA-CURRICULAR & CO-CURRICULAR ACTIVITIES

- **AI-Powered Application Development:** Integrated Google Gemini AI into multiple applications for intelligent task generation, product search, and analytics — gaining real experience with modern AI APIs.
- **Competitive Programming DSA Practice:** Actively practice Data Structures Algorithms (Java), solving problems on arrays, hashing, sliding window, greedy, and binary search to build strong problem-solving ability.