

Ravi Gangwar

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Summary

Final-year B.Tech IT student, 1+ year experience at Wyvate building scalable apps (React Native, Next.js, Node.js) with AI/LLM integrations (OpenAI). Focused on full-stack, DevOps (AWS/Docker), and performance optimization.

Experience

Software Developer, Wyvate – Kanpur | [Live Play Store](#) | [Live App Store](#) | [Live Website](#) May 2024 – now

- Developed Wyvate's customer platform from scratch for **Android**, **iOS**, and **Web**, using **React Native CLI** and **Next.js**.
- Optimized **Node.js** backend and **PostgreSQL** queries, reducing latency by 20%.
- Integrated **Google Maps APIs**, **geolocation**, **deep linking**, and push/in-app/time-based **notifications**.
- Engineered dynamic cart logic using **Redux Toolkit** for offers, add-ons, and pricing calculations.
- Built AI-powered chatbot using **OpenAI APIs** and **MCP servers** for natural language interactions.
- Implemented payments via **PhonePe**, **HDFC SDKs**, and real-time updates with **WebSockets**.
- Used **Reanimated**, **React Query**, **Firebase**, and **Redux Persist** for caching and seamless data sync.
- Integrated: **vision camera**, **QR scanner**, **PDF generation**, and **voice input**.
- Implemented real-time delivery tracking with **Live Activities**, integrated into **Dynamic Island** and updated via **APNs**.

Education

Dr. A. P. J. Abdul Kalam University, Lucknow, B.Tech in Information Technology Dec 2022 – May 2026

- CGPA: 7.3/10 Percentage: 76.1%
- 12th: 83% (2021) 10th: 82.6% (2019)
- Areas of Interest:** Data Structure & Algorithms, Operating System, DBMS, OOPs

Projects

WebWatch | Backend completed | Frontend in progress [GitHub](#) | [System Design](#)

- Built a real-time website monitoring tool to track uptime and latency, a **microservices-based architecture** for better scalability.
- Used a centralized **Redis Streams** queue with distributed workers across regions for scalable health checks.
- Implemented a **notification system** using **RabbitMQ** to send instant alerts when monitored websites go down or show high latency.
- Scheduled health checks every 3 minutes, storing results in **PostgreSQL**.
- Tech Stack:** Turbo Repo, React.js, Node.js, Express, Redis Streams, RabbitMQ, PostgreSQL, CassandraDB, Node-cron

Online Code Execution Platform | [Live Demo](#) | Jan 25 - now [GitHub backend](#) | [frontend](#)

- Built a secure, scalable **SaaS** platform to run **Java**, **JavaScript**, and **Python** code.
- Integrated **Docker-based sandboxing** with resource limits, file isolation, and infinite loop protection.
- Implemented **JWT authentication**, rate-limited APIs, and **Node.js + Express** backend.
- Stored code, outputs, and performance stats.
- Tech Stack:** Node.js, Express, Docker, PostgreSQL, AWS(EC2) / GCP(VM), React.js, TailwindCSS

GreenEarth Platform | [Live \(v2\)](#) | [Live \(v1\)](#) | Oct 23 - Feb 24 [GitHub \(V1\)](#) | [GitHub \(V2\)](#)

- Developed a **SaaS-based platform** for users to order and plant trees at **preferred locations**, enabling **media-based growth tracking** via pictures and videos.
- Tools Used:** v1 – React.js, Node.js, Express.js, MongoDB, Redux.js, Stripe; v2 – Next.js, TRPC, Redux Toolkit, Stripe.

[more projects...](#)

Skills & Technologies

Languages: JavaScript, TypeScript, Java, SQL

Frontend Techs: React Native, Next.js, React.js, Redux, CSS

Backend Techs: SpringBoot, Node.js, Express.js, Jest, MongoDB, PrismaORM, Redis

DevOps: GitHub, Docker, Kubernetes, CI / CD, EC2(AWS), S3(AWS), CloudFront(AWS), GCP(VM)

AI: LangChain, LangGraph, RAG, VectorDB, Model Context Protocol, LLM APIs

SoftSkills: Team Collaboration, Problem-Solving, Agile Workflow, Communication, Adaptability

Achievements & Certificates

- Published Wyvate App on Play Store and App Store, achieving **500+ Downloads** on **Android** and **100+** on **iOS**.
- MERN Certification**, 1600+ (leetcode 500+Questions), 1243+ codechef