

Ankit Raj Kushwaha

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EDUCATION

Kalinga Institute of Industrial Technology (KIIT University)

Bhubaneswar, Odisha

Bachelor of Technology, Computer Science and Engineering

2021 – 2025

CGPA: 7.93

TECHNICAL SKILLS

Programming Languages: TypeScript, JavaScript, Java, Python, React Native

Front-End Development: React, Next.js, Tailwind CSS

Back-End Development: Node.js, Express.js, Flask, RESTful APIs

Databases: MongoDB, PostgreSQL, MySQL, Firestore

Cloud Infra: Docker, CI/CD, serverless compute, Redis

Frameworks & Libraries: Prisma ORM, Jest, WebRTC, Zod, Zustand

PROJECTS

Portbuilder — Zero-code Portfolio PaaS

[LiveDemo](#) | [SourceCode](#)

Dec 2024 – April 2025

- Developed a comprehensive **0-code portfolio creation** PaaS with templates and drag-drop layout builder.
- Integrated **Clerk OAuth2** authentication and in-memory caching, reducing preview latency by 40%.
- Designed a **highly scalable** modular component library featuring **20+** reusable UI elements, enabling dynamic code generation and in-memory caching using **Next.js** API routes and **in-memory storage**.
- Integrated **Razorpay** payment gateway with secure **webhook** verification executed on **Vercel serverless functions** supporting tier pricings for access to premium features, boosting overall site conversion rate by 25%.
- Designed modular component libraries and serverless API layers, enabling horizontal auto-scaling under load.

CodeOmen — Online coding Platform

[LiveDemo](#) | [SourceCode](#)

September 2024 – November 2024

- A specialized **online IDE platform** with curated DSA problem sets using **Next.js** deployed fully on **Vercel**.
- Integrated **CodeMirror** editor with custom syntax highlighting and error handling, reducing compilation errors by **25%** and improving code execution speed by **40%**.
- Added persistent data management using **Firestore** optimizing read/write patterns for low-latency data access.
- Implemented **Firebase authentication** and secure API routes for handling problem attempts, analytics, and submission history using React data visualization libraries.
- Added monitoring and **log-based analytics** to analyze usage patterns and optimize resource consumption at scale.

PROFESSIONAL EXPERIENCE

Vegapro.ai

April 2025 – current

FullStack Intern

Remote

- Built production-ready features across web and mobile using **Next.js** and **React Native**, ensuring consistent UI/UX across platforms.
- Built an integrated backend APIs using **Flask** and **Python** to support real-time data fetching, user authentication, and generating actionable operational insights for stakeholders.
- Collaborated with cross-functional agile teams to understand domain-specific client requirements and deliver scalable, maintainable software solutions tailored to the industry's unique workflows and edge cases.
- Focused on delivering clean and responsive **UI/UX**, optimized data visualization dashboards, and efficient frontend state management to enhance user interaction and performance.
- Tech Stack:** Next.js, Tailwind CSS, Flask, Python, REST APIs, Git, Postman, ReactNative.

Microsoft Learn Student Ambassador

January 2024 – December 2024

Web Development Specialist

KIIT University, Odisha

- Led multiple technical workshops on modern web development, **educating 30+ students** on advanced frontend and backend technologies including **React.js, Node.js, and practical Git workflows**.
- Developed comprehensive learning materials, starter templates, and open-source code repositories, increasing student engagement and participation by 40% across technical sessions and community hackathons.