Vinayak Tiwari

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Education

Kalinga Institute of Industrial Technology   2024-2028
Bachelor of Technology in Computer Science Engineering: CGPA: 7.85/10.0   *Bhubaneshwar, Odisha*

- **Relevant Coursework:** Data Structures and Algorithms, Operating Systems (Linux), Object-Oriented Programming (Java), Database Management Systems, Computer Networks, Distributed Operating Systems, Software Engineering, Probability and Statistics, Discrete Mathematics, Machine Learning, Artificial Intelligence, Quantum Computing

Experience

Geeks For Geeks KIIT Chapter — Competitive Programmer   Feb 2025 – Present

- Collaborated closely with a team of 10 competitive programmers to develop and refine 5 innovative problem-solving strategies, optimizing performance across contests and team-based coding events.
- Actively contributed as a volunteer in a Competitive Programming Hackathon, facilitating smooth operations for over 500 participants.
- Mastered 400+ Codechef & Codeforces challenges, enhancing algorithmic problem-solving efficiency by 200%.

Projects

SabziVerse | *React.js , Next.js , Typescript , Tailwind CSS , FireBase*   Oct 2024 - Jan 2025
- A farm-to-market web platform that eliminates middlemen, enabling direct transactions between farmers and sellers—boosting farmer profits and seller transparency.
- Enabled 12+ regional Indian languages for a farm-to-market platform, ensuring seamless access for users from remote and rural areas.
- Integrated real-time chat and AI-driven product suggestions to connect farmers and buyers efficiently.
- Boosted user engagement by 40% and cross-region collaboration by 200% through localized design and learning tools.

Plannix | *React.js , Next.js , Typescript , Tailwind CSS , Firebase*   May 2025 - June 2025
- Built a time table automation system that generates class-wise schedules in seconds and exports structured PDFs, drastically reducing manual workload for school admins.
- Integrated real-time teacher tracking with period allocation monitoring, enabling better resource planning and conflict-free scheduling.
- Successfully adopted by 10+ schools across multiple cities, reducing timetable creation time by 85% and improving operational efficiency in academic planning.

CP Explorer | *React.js , Next.js , Typescript , Vercel , Tailwind CSS*   Aug 2024 - Sep 2024
- Developed CP Explorer, a competitive programming dashboard with 12,500+ problems from LeetCode and Codeforces, helping over 2,000+ users streamline practice through topic-wise and rating-based filters.
- Integrated real-time user statistics and personalized tracking features, resulting in a 35% improvement in consistent problem-solving habits among active users.
- Achieved 10,000+ visits within the first launch phase and built a loyal user base of CP enthusiasts by delivering high-performance filtering, analytics, and contest-focused problem sets.

Technical Skills

Languages: C++ , C , Python , JavaScript.
Technologies: Vscode , git , MongoDB , React , Next js
Concepts: Data Structure & Algorithm , Object-Oriented Programming , Computer Vision , Generative AI.