ANKIT SISODYA

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Education

Birla Institute of Technology, Mesra   September 2023 – May 2027
Bachelor of Technology in Computer Science(CGPA-8.42)   *Ranchi, Jharkhand*

Coding Profiles

- Codeforces: **Expert: 1776** [Link]   • LeetCode: **Guardian: 2216** [Link]   • CodeChef: **5-Star: 2004** [Link]

Experience

OmegaUp | PHP, Vue.js, TypeScript, GITHub Actions   **Open Source Experience**
- **Impact:** Delivered 24 merged PRs spanning Backend, Frontend, & DevOps modules.   **[Link]**
- **Feature:** Integrated search functionality in school ranking.   **[Link]**
- **Backend:** Optimized bulk fetching of contest problems to reduce N+1 query issues.   **[Link]**
- **DevOps:** Added workflow to check PR linked issues and assignees.   **[Link]**
- **Validation:** Implemented image size validation and error messages for uploads.   **[Link]**

TLE Eliminator | *Intern*   **December 2024 – August 2025**
Remote (9 months)
- Helped students understand and resolve DSA-related doubts by providing step-by-step explanations.
- Guided students in **preparing for competitive coding challenges**, focusing on techniques and strategies.
- Resolved **704 DSA query** in 9 months and earned the **"Top Mentor"** appreciation for four consecutive weeks.

Achievements

- Achieved Global Rank 112 at the **ICPC Asia Amritapuri Regional Contest**   **[Credential]**
- Achieved **All India Rank 505** in **Meta Hacker Cup** orchestrated by **Meta**.   **[Link]**
- Secured **Rank 7** among 1000+ participants in **Codewars** by **IIT Dhanbad**.   **[Link]**
- Accomplished **Global Rank 179** among 60,000+ participants in **Codeforces Round 962 (Div. 3)**. **[Link]**
- Achieved **Global Rank 530** among 24,000+ participants in **Codeforces Round 982 (Div. 2)**. **[Link]**
- Secured **Global Rank 16** in **Cook-a-Code**, a team competition hosted by **IIIT Vadodara**. **[Link]**
- Attained **Global Rank 344** among 23,596 participants in **Leetcode Biweekly Contest 145**.   **[Link]**
- Attained **Global Rank 50** in **CodeChef Starters 174**.   **[Link]**

Projects

Gsoc-espionage | *React, TypeScript, Vite, GitHub REST API*   **Live GitHub**
- Developed a comprehensive analytics dashboard using **React 18** and **Vite** to visualize repository metrics, including merge rates and contributor activity timelines via **GitHub REST API**.
- Implemented advanced data handling features such as branch filtering, customizable time ranges, and **CSV/JSON exports** for detailed repository auditing.

Adventure Booking Platform | *React.js, Express.js, Redis, Socket.IO, PayPal API*   **Live GitHub**
- Engineered a data-driven **gamification system** that aggregates user activity to track and award instructor achievements, integrated directly into the **PayPal** service to trigger milestones upon payment completion.
- Enhanced backend reliability by implementing centralized **error handling middleware** and refactoring authentication logic to optimize password recovery and data validation workflows.

SlotSwapper | *React, Node.js, PostgreSQL, Prisma, WebSocket, Docker, TypeScript*   **Live GitHub**
- Engineered a collaborative calendar application for real-time schedule management and atomic slot swapping using **PostgreSQL** and **Prisma ORM**.
- Implemented **WebSockets** for instant, connection-based notifications to replace polling, and secured the system using **Google OAuth** and IP-based rate limiting.
- Containerized the architecture using **Docker** multi-stage builds and **Docker Compose**, reducing image size and ensuring consistent deployment across environments.

Test Case Generator | *Next.js, TypeScript, Gemini API, Docker, AWS, GitHub Actions*   **GitHub**
- Engineered an AI-powered SaaS using **Next.js** and **Gemini API** to automate test case generation, featuring **Razorpay** for subscription handling.
- Deployed a scalable, containerized (**Docker**) architecture on **AWS EC2** with **Nginx** reverse proxy and automated CI/CD pipelines via **GitHub Actions** on custom domain.

Technical Skills

Programming Languages: C++, HTML, CSS, JavaScript, Typescript
Web Development: Appwrite, Vite, Javascript, TypeScript, Express.js, React, Next.js, Prisma, Supabase
Tools: Git, GitHub, Postman, Vercel, Cloudinary, Render.
Databases and Infrastructure: PostgreSQL, MongoDB, Redis, Docker, AWS, Nginx, Git, CI/CD