Aditya Kumar Tiwari

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Experience

The Sparks Foundation   January 2024 – February 2024
Frontend Developer Intern
- Built and deployed a responsive NGO landing page, improving load speed by 25% and boosting engagement in demos.
- Integrated payment gateway using Razorpay API for secure donations, reducing failed transactions by 15%.

Education

VIT Bhopal University   8.15/10
Bachelor of Technology in Computer Science and Engineering   *October 2022 – Present*

Technical Skills

Programming Languages: Java, Python, C++, JavaScript, HTML, CSS, SQL.
Technologies and Frameworks: React, Node.js, MongoDB, Tailwind, REST API, Express.js, Next.js.
Tools & Platforms: Git/GitHub, AWS, Gemini LLM.

Projects

SageFi | https://sagefi.vercel.app   May 2025 – Present
- Built a financial dashboard for managing transactions, spending, and subscriptions with automated CSV imports and bulk operations.
- Optimized backend queries and caching to cut manual entry time by 30% and reduce page load speed from 2.5s to 1.7s, improving accuracy and responsiveness for 10+ early users.
- Technology Stack: Next.js, React, Tailwind CSS, PostgreSQL, Vercel

Arogyam | https://arogyam-amber.vercel.app   March 2025 – April 2025
- Built a health monitoring platform with features for symptom tracking, medication management, wellness analysis, and interactive dashboards for visualizing health trends.
- Delivered personalized health insights with Google Gemini AI, integrated Clerk authentication and Stripe payments, and optimized backend queries, reducing response time by 25% while ensuring reliable access for users.
- Technology Stack: Next.js, React, Tailwind CSS, MongoDB, Clerk, Gemini AI API, Stripe, Node.js

birdAI | https://bird-ai.vercel.app   September 2023 – October 2023
- Developed a multi-modal AI SaaS prototype capable of generating text, images, video, music, and code through OpenAI and Replicate API integrations.
- Implemented Clerk authentication, built an interactive Shadcn UI dashboard with secure input validation using Zod, and deployed scalable subscription management, validating across 50+ content outputs with consistent quality.
- Technology Stack: Next.js, React, Tailwind CSS, Prisma, Clerk, OpenAI API, Replicate API, ShadCN UI

Achievements

Unstop: Secured top 3 positions in six national-level quizzes.
Problem Solving: Solved 400+ LeetCode problems (Rating: 1509) and 200+ Codeforces problems (Rating: 1337, Pupil).

Certifications

ETHNUS: MERN Full-Stack Certification Program   April 2025
Stanford University: Algorithms Course Certification   July 2023

Extracurricular

Hacktoberfest: Contributed to 5+ open-source repositories,submitting 10+ pull requests using GitHub best practices.
SWOC: Contributed to Winter of Code 2024 and other OSS programs, merging 8+ code contributions.

Interests & Hobbies

Reading Hindi and English literature, playing cricket, badminton, and squash, and following Formula 1