Abhigyan Pal

+91 8131877341 | abhigyanpaldev@gmail.com | GitHub | LinkedIn

EDUCATION

KIIT University   Bhubaneswar, Odisha
Bachelor of Electronics and Computer Science (ECSE)   *Jun 2023 – May 2027*
  - Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems

PROJECTS

AI Debate App | Next.js, TypeScript, Express, WebSockets, Redis, Prisma, Docker   Live | GitHub
  - Built a real-time debate platform with WebSocket-based turn management supporting concurrent two-user debates.
  - Designed a state-machine orchestrator managing debate lifecycle (creation, turns, judging) with graceful failure recovery and timeout handling for resilient operation.
  - Implemented Redis pub/sub for cross-instance state synchronization, enabling horizontal scaling across multiple server instances.
  - Integrated Gemini 2.5 Flash API for automated debate judging with structured scoring and winner determination.
  - Built rate limiting with exponential backoff retries to handle LLM API throttling gracefully under load.

Poll-Based Social App | Next.js, TypeScript, Prisma, Socket.IO, NextAuth   Live | GitHub
  - Developed a social platform where posts are interactive polls with optimistic UI updates for instant feedback.
  - Built a real-time chat system using Socket.IO with typing indicators, read receipts, and online presence.
  - Implemented OAuth authentication via NextAuth with JWT session management and secure credential handling.
  - Designed relational schemas supporting nested comment threads, follow relationships.

Testimonials Platform | React, TypeScript, Express, Drizzle ORM, PostgreSQL   Live | GitHub
  - Built a testimonial management system enabling businesses to collect, curate, and showcase customer feedback.
  - Created 6 embeddable display templates (carousel, grid, minimal) with responsive layouts for third-party sites.
  - Designed REST APIs with Drizzle ORM for type-safe PostgreSQL access with relational integrity.

ACHIEVEMENTS

LeetCode   leetcode.com/u/abhigyanisonline
  - Solved 250+ DSA problems in C++ across platforms like Leetcode and GFG with focus on Trees, Graphs, and Dynamic Programming patterns.

CERTIFICATIONS

100xDevs – Full Stack Web Development Cohort
  - Trained in building production-grade web applications using React, Node.js, Next.js, and TypeScript.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C/C++
Backend & APIs: Node.js, Express, REST APIs, WebSockets, Authentication (JWT, OAuth), LLM Integration
Frontend: React, Next.js, Tailwind CSS
Databases & Caching: PostgreSQL, Prisma, Drizzle ORM, Redis
DevOps & Infrastructure: Docker, AWS (EC2, S3), Nginx
Tools & Practices: Git, GitHub, Jest, Monorepos