Kamaldeep Singh

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TECHNICAL SKILLS

- **Web Technologies:** React, Next.js, Express.js, Tailwind CSS
- **Programming Languages:** JavaScript, TypeScript, Java
- **Data Structures:** Algorithm Design, Problem Solving, Data Structure Implementation
- **Databases:** MongoDB, PostgreSQL, Prisma
- **Cloud & DevOps:** Docker, AWS, Vercel, Git/GitHub
- **Additional Technologies:** Serverless Backends, REST API Development

PROJECTS

Medium Project Source code: ⭘   *React, Cloudflare Workers, Hono, TypeScript, Prisma, PostgreSQL*

- Developed a full-stack Medium Project utilizing modern web technologies for scalable and efficient performance.
- Built the frontend using React with TypeScript for strong type safety and maintainability.
- Implemented a backend using Cloudflare Workers with Hono for API routing, ensuring low-latency responses.
- Integrated PostgreSQL with Prisma ORM for efficient database management, leveraging connection pooling for optimized performance.
- Utilized JWT authentication for secure user sessions and API access.
- Configured Prisma Accelerate for better database connection handling in production environments.
- Set up environment variables and secure authentication using Cloudflare Wrangler for seamless deployment.
- Followed best practices in deployment, including CORS configuration, environment variable security, and optimized production builds.

Flight Time Optimizer Source code: ⭘   *Java, Dijkstra's Algorithm*

- Developed a Flight Time Optimizer application in Java using Dijkstra's Algorithm to find the shortest flight travel time between major Indian cities.
- Enabled user input for travel cities and displayed the shortest time between them, considering both direct and layover flight times.
- Implemented a graph-based solution with adjacency lists to efficiently compute and display shortest flight times.

EDUCATION

IKGPTU Mohali Campus-1   August 2023 – Present
B.Tech (CSE) — CGPA - 7.5   Mohali, Punjab, India

GSS school Bharatgarh   April 2021 – April 2023
High School (XII) — Percentage - 94   Bharatgarh, Punjab, India

CODING PROFILES

LeetCode (200+ problems): </>   GitHub: ⭘