ASAD ALI

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Education

Sagar Institute of Science and Technology   **2020 - 2024**
- B.Tech from Computer Science   (expected)

Experience

Freelance Competitive Programming Problem Solver & Project Developer at Shipd   **2024 - Present**
- Solve diverse competitive programming problems to generate high-quality training data for AI models
- Participate in various project-based challenges, implementing solutions using modern technologies
- Consistently engage in problem-solving activities to enhance the platform's AI training dataset
- Ranked among the top contributors on the platform based on the leaderboard for solving complex challenges and contributing high-quality solutions.
- Technologies: Data Structures, Algorithms, Competitive Programming, Project Development

Skills

C++ | oops | Problem solving | Competitive programming | Data Structures | ReactJS | NextJS| JavaScript | TypeScript |

Tailwind CSS | MongoDB | PostgreSQL | Docker | Prisma

Achievements

- Attained a **Codeforces** rating **1417** ,currently holding **Specialist** rank
- Attained a highest rating of **4*** on **Codechef**
- **Rank 169 globally** in Codechef's Division 2 contest,based on the European Junior Olympiad Informatic(**EJOI**)
- **Codevita season 11 984th** rank
- **Rank 250 globally** in Codechef's Starters 76 Division 2 contest
- Solved 1500+ algorithmic problems on Codeforces , Leetcode , CodingNinja and others.

Projects

EduHub(ongoing)

Building a comprehensive platform to manage school operations
- Built principal-specific features with full administrative control and exclusive management tools.
- Expanding features for teachers, students, and parents to enhance collaboration and efficiency.
- Creating a website alongside the app for a comprehensive solution.
- Optimizes backend performance by stratefically implementing **Redis** caching and **BullMQ** queue systems on a custom vps deployement . eliminating bottlenecks and ensuring responsive user experience even during high-traffic periods.
- **Tech Stack:** NextJS , Typescript , React Native , MySQL , Prisma

GenieAi |

Developed an AI-SaaS platform , offering four functionalities , conversational bot , code , image and music generation
- Enacted secure authentication using Google Auth via NextAuth, ensuring 99% data protection and seamless user access.
- Used Gemini model for chatbot and code generation, Replicate for image generation, MusicGen for music generation.
- Offered 10 free trials and introduced a premium feature, offering unlimited usage functionality.
- **Tech Stack:** NextJS , Typescript , NodeJS , ExpressJS , Tailwind CSS, PostgreSQL , Prisma

MyWallet |

MyWallet is a digital wallet application that allows users to Streamline Financial Transactions
- Deposit funds from virtual bank accounts and send/receive money within the MyWallet network
- Secure login and registration system to protect user data
- **Tech Stack:** NextJS , Typescript , NodeJS , ExpressJS , Tailwind CSS, PostgreSQL