Sulaiman Khan

Software Developer

sulaimanclass12b@gmail.com | 8318683295 | Shivajipuram, Lucknow, 226017
GitHub: github.com/sulaimankhan8 | LinkedIn: linkedin.com/in/suleman-khan-b4ab2b275

TECHNICAL SKILLS

- **Frontend**: React, Next.js,, Tailwind CSS, D3.js, Chart.js, Framer Motion
- **Backend**: Node.js, Express, REST APIs,Python,FastAPI ,socket.io
- **Database**: MongoDB, MySQL,Neon
- **Other**: PWA, LaTeX, KaTeX, Regex, Web Workers, Redux, Puppetier ,Jest, UI/UX Design,pytorch
- **Tools**: Git, Vercel, Drizzle Kit, Postman, Figma,docker

EXPERIENCE

Developer & Founder | NETZ   August 2024- Present

An educational platform that simplifies complex mathematical concepts through interactive learning

- Developed **NETZ**, a math-learning PWA featuring real-time problem-solving, interactive lessons, and gamification.
- Implemented numerical methods such as **Bisection, and Gauss-Seidel**, displaying step-by-step solutions using LaTeX. And regex.
- Optimized UX with **custom themes, modular ad systems, and a guided onboarding experience**.
- Enhanced **performance and SEO**, increasing organic traffic and engagement.
- Continually adding new features and content to improve the learning experience.

ENGINEERING PROJECTS

X-clone:

- Built a social media clone implementing JWT authentication, Express, Mongoose, MongoDB, bcrypt, dotenv, cookie-parser, React Query, and API testing with Postman.

Smart Traffic Monitoring System : link

- Developed a deep learning-based traffic analysis system using Faster R-CNN and YOLOv8. Identifies and counts vehicles, detects helmetless riders, and extracts insights from video frames. Implemented knowledge distillation for model optimization. Automated data processing in Google Colab with real-time frame extraction and image classification.

Webscraping:

- The application uses Puppeteer to automate browsing, mimicking real user interactions to extract Instagram data while bypassing simple bot detections. API spoofing techniques help avoid rate limits by mimicking real API requests.

EDUCATION

Integral University │Lucknow , *BCA*   **May 2023-26**
Major: Computer Applications   CGPA: 8.2/10.00

CERTIFICATES

React Certificate

Javascript Certificate