Meet Adlakha

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EDUCATION

VIT Bhopal University   Bhopal, MP
Bachelor of Technology in Computer Science and Engineering — CGPA: 8.96/10   *Nov 2022 – Present*
Delhi Public School, Kolar Road (CBSE)   Bhopal, MP
Senior Secondary (XII) — 95.4%; High School (X) — 91%   *Mar 2022 & Mar 2020*

TECHNICAL SKILLS

Languages: C++, JavaScript, Python, HTML, CSS, SQL
Frameworks & Libraries: Node.js, Express.js, React.js, Flask, Tailwind CSS
Databases: MongoDB, MySQL
Developer Tools: Git, GitHub, Docker, Vercel, Postman
Concepts: REST APIs, Data Structures & Algorithms, Authentication (JWT, Clerk)

PROJECTS

SyncDesk – Real-Time Collaboration Platform | React.js, Socket.io, Node.js, MongoDB, Express.js
- Developed a real-time collaboration tool supporting 5–15 concurrent users using WebSockets and Socket.io.
- Integrated the Monaco Editor with live cursor tracking, syntax highlighting, and multi-language support, improving code-editing clarity by 30%.
- Implemented event-based synchronization to maintain consistent state across all active sessions with sub-150ms update latency.
- Added secure REST API routes to protect private rooms and session histories.

TaskMind.AI – AI-Powered Content Generation Platform | PERN Stack, Clerk, Cloudinary, AI APIs
- Built an AI-driven content generation platform that enables users to create text, resume insights, and images using Gemini and Clipdrop APIs.
- Implemented Clerk authentication and role-based permission checks, reducing unauthorized access attempts by 100% during testing.
- Optimized media uploads using Cloudinary pipelines, reducing average image load time from 1.2s to 700ms (40% faster).
- Designed a responsive UI with activity tracking and analytics sections; tested with 20+ users during beta deployment on Vercel.

Project Satya – Fake News Detection System | Python, scikit-learn, NLP, Flask
- Built an ML model using TF-IDF and Logistic Regression, achieving 92% accuracy on a dataset of 20,000+ news articles.
- Enhanced text preprocessing (tokenization, stopword removal, stemming), improving model accuracy by 6% over the baseline.
- Deployed the model via a Flask API delivering predictions in under 180ms for real-time user queries.

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification — DeepLearning.AI
AWS Solutions Architect Associate Certification Program — Ethnus

LEADERSHIP & ACTIVITIES

- Event Management Lead — Coordinated national-level events with 1,000+ participants, overseeing logistics, planning, and outreach.
- Cultural & Sports Coordinator — Directed large-scale campus activities, increasing overall student engagement by 25%.
- Hobbies: Football, Badminton, Formula 1, Trekking.