

YASH SINGHAL

Delhi, India

+91 7620121943 | yashsinghal9886@gmail.com | [Github](#) | [LinkedIn](#) | [Twitter](#) | [My Website](#)

SKILLS

Languages: C, C++, JavaScript, TypeScript, Python


Web Development: Nextjs, React, Tailwind, HTML, CSS

AI/ML: Numpy, Pandas, Scikit-Learn, ML and DL Algorithms


Tools: Git, GitHub, Vercel, Firebase, VS Code


CS Fundamentals: DSA, OOPS, OS

PROJECTS

Real-Time Notes Management Platform  Next.js, Convex, Tailwind, TypeScript


- Implemented **real-time collaboration**, allowing multiple users to edit documents simultaneously with live updates.
- Engineered a **full-stack** note-taking app enabling users to create, edit, and organize notes with **infinite** nested structures.
- **Implemented SSR and SSG** for high performance and SEO optimization.
- Integrated features like **markdown support**, cover images, dark/light themes, and **public note sharing** to enhance user experience.

Fake News Detector  NLP, Pandas, NLTK, Scikit-learn, Logistic Regression

- Built an **NLP pipeline** using **logistic regression** achieving **97% accuracy** in detecting fake news articles.
- Used **TF-IDF** vectorization on a real-world dataset with an **80/20 train-test split**.
- Performed **text preprocessing**: stopword removal, tokenization, lowercasing, and noise filtering.
- Achieved production-grade results with high generalization performance, proving the model's reliability for content moderation.
- **Blog - Hashnode** 

AI-Powered Object Detection Surveillance App  TensorFlow, Nextjs, Tailwind, Typescript

- Implemented **COCO-SSD model** to detect **real-time objects** using webcam feed.
- Developed **auto/manual recording** on human detection, with download support.
- Used **toast notifications**, **ping sounds**, and **volume control**.
- Enabled features like **horizontal flip**, **snapshot capture**, and object highlighting.

NetflixGPT  React, Redux-Toolkit, Firebase, OpenAI API

- Used **React Webpack** for **Hot Module Replacement** and optimized caching.
- Integrated **ChatGPT APIs** for **real-time movie recommendations**.
- Applied **lazy loading**, **code splitting**, and **Higher-Order Components** for maintainable architecture.
- Built components following the **Single Responsibility Principle**.

EDUCATION

Jaypee Institute of Information Technology, Noida Sec-62

2022-2026

B.Tech in Computer Science and Engineering

CERTIFICATES

Namaste React by Akshay Saini

Web Development by Angela Yu