

Azkar Akhtar

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TECHNICAL SKILLS

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|----------------------------------|--|
| Programming Languages: | JavaScript, TypeScript |
| Frontend Technologies: | React.js, Tailwind, HTML, CSS |
| Backend: | Node.js, Express.js, RESTful APIs, JWT Authentication |
| Database: | MongoDB, Mongoose, Schema Design |
| Tools & Technologies: | Visual Studio Code, Git, Postman, AWS, EC2, IAM, Firebase |
| Concepts: | Data Structure and Algorithm, OOPS, Client–Server Architecture, Testing Basics (Jest, React Testing Library), Agile/Scrum. |

WORK EXPERIENCE

PwC India - 1.5 years

Gurugram

Associate

Aug 2023 – Feb 2025

OSINT Name Investigation System.

- Developed a **React.js** web application that enabled employees to perform OSINT searches on individuals and companies, including name, legal records and shareholding information, using reusable components, form validation.
- Built secure backend services using **Node.js** and **Express.js**, implementing modular routing, custom middleware, input sanitization, and automated query signature generation to reliably fetch and process OSINT search patterns.
- Integrated the tool into **PwC's compliance workflow**, supporting due-diligence, risk checks, and identity verification.
- Reduced **manual search time by 60%**, improved consistency of KYC and due-diligence investigations, and eliminated repetitive analyst effort in generating forensic queries.

Tech Stack: React.js, JavaScript, Node.js, Express.js, HTML, Github, JSON, TypeScript, Rest API.

PROJECTS

MatchStack

[GitHub Link](#)

- Built a fullstack **MERN Stack** based developer matching platform similar to Tinder, enabling users to create profiles, swipe (like/pass), with **React.js (Hooks, Router, Redux)** and **Node.js/Express**, implementing modular routing, REST API endpoints, reusable middleware, and **Postman** tested request handlers for stable backend communication.
- Designed scalable MongoDB schemas with Mongoose, including **schema validation**, **data sanitization**, **bcrypt password hashing**, **JWT authentication**, **cookie sessions**, **pagination**, and **compound indexes**.
- Developed secure and maintainable backend architecture using **Express middleware**, **custom error-handling**, protected routes, and efficient MongoDB querying techniques for faster filtering, searching, and user matching logic.
- Built a responsive frontend using **React Hooks** (useState, useEffect), **Redux state management** (useSelector, useDispatch), **React Router navigation**, and **TailwindCSS components**.
- Implemented **real-time chat features** using **WebSockets and Socket.io**, enabling instant messaging, live updates, and match-based room creation integrated with Redux and React Hooks.

Tech Stack: React.js, JavaScript, Node.js, Express.js, GitHub, JSON, Redux, MongoDB, AWS EC2, Websockets, Postman.

MoviesGPT

[GitHub Link](#), [Project Link](#)

- Authentication & State Management: Built login/signup forms with form validation using **React hooks (useRef)**, integrated **Firebase** for authentication (sign-up, sign-in, sign-out, profile updates), handled onAuthStateChanged cleanup, and managed user state via **Redux** userSlice.
- Movie Data Integration & UI: Registered **TMDB API**, fetched now playing and popular movies, created **custom hooks**, managed data with **Redux**, embedded YouTube trailers (autoplay/mute), and styled responsive UI with **Tailwind CSS**.
- AI-Powered Search & Deployment:** Implemented **GPT Search Page** with **OpenAI API key**, fetched GPT-based movie suggestions via TMDB API, reused components for suggestions, added memoization, and deployed the app to production.
- Implemented memoized selectors and reusable hooks to reduce redundant API calls, delivering a scalable, modular architecture for real-world streaming applications with AI-driven recommendations and responsive design.

Tech Stack: React.js, Redux Toolkit, React Router, Firebase Authentication, Tailwind CSS, TMDB API, OpenAI API, JavaScript, Git

EDUCATION

VIT (Vellore Institute of Technology)

Vellore, Tamil Nadu

B. Tech ECE - 8.26 CGPA

2019-2023