Akshat Kumar

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EDUCATION

Vellore Institute of Technology   Expected May 2026
B.Tech, Computer Science and Engineering   CGPA: **8.69**

TECHNICAL SKILLS

Languages: JavaScript, C/C++, SQL, HTML, CSS   **Frontend:** React, TailwindCSS, React Native
Tools: Git/GitHub, Notion, Expo, Xcode   **Backend:** Node.js, Express, Appwrite
Cloud: AWS (EC2, IAM, S3), Docker   **Databases:** MySQL, MongoDB

PROJECTS

Echo-Echo: Real-Time Messaging App *React, Javascript, Node.js, Express, MongoDB, Socket.io*   *Link*

- Built a full-stack real-time chat platform enabling **instant messaging** between registered users without page reloads using **Socket.IO** for bi-directional communication.
- Developed **secure backend APIs** with Node.js and Express.js, integrated with MongoDB for **JWT-based user authentication**, message storage, and chat room management.
- Designed an intuitive frontend using React.js, featuring responsive UI, dynamic conversations, and **real-time updates** for seamless chatting experience across devices.

ThinkBoard: Full-Stack Note-taking Application *React.js, Node.js, Express.js, MongoDB*   *Link*

- Built a responsive and fully featured **MERN** stack notes application, enabling full **CRUD operations** and seamless real-time synchronization across multiple devices.
- Designed **RESTful APIs** and a modular backend architecture using **Mongoose** with integrated Redis-based rate-limiting set at **30 requests per/minute**, ensuring robust security.
- Developed a dynamic single-page application frontend in React with React Router, styled UI components using **Tailwind CSS** and **DaisyUI**, plus axios integration and toast notifications for enhanced UX.

MovieFlix: Movie-Discovery Application *React Native, Expo, JavaScript, Nativewind, Appwrite*   *Link*

- Developed a **cross-platform** mobile application using React Native for browsing and discovering movies with responsive UI components and smooth navigation.
- Created a **custom hook** to fetch and manage movie data across the app, with **Appwrite** integration as **BaaS** for backend services, making the code easier to reuse and maintain.
- Integrated movie database **APIs to fetch real-time movie data**, ratings, and details, implementing efficient state management and data caching for optimal performance.

CO-CURRICULAR

- Secured a top **25% rank** among 100+ candidates in Zenken's Japanese Language Proficiency Test (**N5**).   ↗
- **AWS** Educate Certified with **8 badges** (Credly), demonstrating a strong foundation in cloud services.   ↗
- Certified **Oracle Cloud Infrastructure** (OCI) Foundations Associate (93%).   ↗
- Completed Oracle Cloud Infrastructure **AI Foundations Associate** certification.   ↗
- Consistent problem-solving contest rating of **1400+** (LeetCode).   ↗

EXTRA-CURRICULAR

- Completed **Rockschool's Guitar** Grade 2 exam with **84%** marks (Merit).
- Completed the **100daysofcode** challenge to strengthen programming and problem-solving skills, posting daily progress updates and insights on LinkedIn throughout the journey.
- Placed **3rd** in the **District Skate Hockey** Championships organized by **UPRSA** (2018-19).