AKSHAJ BANSAL

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B.Tech, Computer Science and Engineering

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Education

SRM IST-Kattankulathur	2027
B.Tech · Computer Science and Engineering · Chennai, India	CGPA - 9.94/10
V.V D.A.V Public School	2023
Class XII · CBSE · Vikaspuri, New Delhi	Percentage - 85.6%
V.V D.A.V Public School	2021
Class X · CBSE · Vikaspuri, New Delhi	Percentage - 96.2%

Experience

SQAC(Software Quality Assurance Community) SRM | Website — Apr 2025 - Present

Developer · Project Lead · Full-Time — Chennai, India

- Leading the web development team and managing end-to-end development of the official SQAC website and internal tech projects.
- Planning, assigning, and overseeing technical tasks for various initiatives, ensuring timely delivery and code quality across multiple projects.
- Mentoring junior developers, conducting code reviews, and managing version control workflows using Git and GitHub.

Turn2Law | Website — Aug 2025 - Present

Full Stack Intern · Full-Time — Chennai, India

- Worked on multiple product features, contributing across frontend and backend APIs, in a fast-paced startup environment.
- Collaborated with team members to integrate backend services, connect ML models, fix bugs, and improve overall performance and feature reliability.

Airtel Payments Bank — Jun 2025 - Jul 2025

Technology Intern · Intern · Internship — Gurgaon

- Independently developed a full-stack banking application using Spring Boot (Java) for backend and React.js + Tailwind CSS for frontend.
- Designed and implemented complete UI/UX, ensuring responsive and accessible interface across devices.
- Built and integrated RESTful APIs to enable secure and efficient data communication between frontend and backend.
- Followed the Waterfall SDLC model, handling all phases from requirement gathering to final deployment and documentation.

Projects

Rhythmix | Link — Apr 2025 - Present

· Next Js, Firebase, Tailwind CSS, Blockchain Development, Solana — BlockChain and Full-Stack

- Developed a decentralized music platform enabling artists to mint their music as NFTs, ensuring ownership, royalty, and direct monetization.
- Integrated Web3 authentication and wallet-based payments, allowing users to support artists by purchasing exclusive music NFTs.
- Implemented a Spotify-like streaming interface, combining traditional listening with NFT-backed music ownership.
- Enhanced artist-fan interaction while promoting a transparent, decentralized ecosystem for the music industry.

Deep Trace | Link — Mar 2025 - Apr 2025

· Next Js, Firebase, Tailwind CSS, python, Typescript — AI/ML

- Developed a forensic tool to detect and trace AI-generated content including text, images, and media using machine learning and pattern recognition.
- Built models to identify AI signatures and differentiate between human-written and AI-generated content with high accuracy.
- Focused on creating tools for authenticity verification, targeting applications in misinformation detection and digital media forensics.
- Designed for use in journalism, law enforcement, and media integrity to combat deepfakes and synthetic content threats.

Personal Portfolio | Link   Mar 2025 - Jun 2025
· Next.js, Tailwind CSS

- Created an interactive macOS-style web experience in React.js, featuring window-based navigation, draggable elements, dock animations, and multi-app workflows.
- Engineered a custom UI system using Tailwind CSS, Zustand, and GSAP to manage window state, focus, z-index layering, and smooth transitions across the interface.
- Implemented complex user interactions and reusable architecture patterns to showcase projects, skills, and content through a desktop-like browsing experience rather than static pages.

Path Finding VIsualizer | Link   Feb 2025 - Mar 2025
· Tailwind CSS, TypeScript   DSA & Web Development

- Implemented a responsive visualizer for path finding using typescript, HTML, CSS.
- Developed a tool to teach path-finding techniques, helping over 10 users understand their efficiencies

Volunteering

Family of Disabled (FOD)   May 2025 - May 2025
Volunteer · Community Connect Internship

- Worked on databases containing all disabled people's information, enrolling them to avail the facilities offered by FOD.
- Observing and interacting with beneficiaries.
- Teaching various things to surveyor.

Skills

Programming Languages: C++, Java, Python, JavaScript
Languages and Frameworks: HTML, CSS, React.js, Spring Boot, Node.js, Next.js, Flask
Tools and Technologies: Git, Github, Postman, Firebase, MongoDB, MySQL, Jupyter Notebook

Languages

English [Professional Working Proficiency], Hindi [Native Proficiency], German [Fundamental Proficiency]

Links

LinkedIn, GitHub, LeetCode, HackerRank