

AANYA SINGHAL

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EDUCATION

Jaypee Institute of Information Technology, Noida

B.Tech in Computer Science & Engineering

2023 - 2027

8.2 CGPA

Dewan Public School

Senior Secondary

2023

93.2%

Dewan Public School

High School

2021

97.4%

WORK EXPERIENCE

Infosys – Project Intern

October 2025 - Present

AI-Based Legal Reference & Case Retrieval System

Remote

- Collecting and structuring multi-format legal data (IPC, CrPC, Constitution, State Laws) from PDFs, HTML, and datasets for ingestion into the database.
- Implementing semantic search using HuggingFace embedding models and integrating Pinecone vector database for efficient high-dimensional retrieval.
- Building the initial system workflow by linking retrieval results with LLM-based reasoning using LangChain.

PROJECTS

Fintrack – Advanced Expense and Budget Tracker (SaaS Platform)

[Source Code](#)

- Developed a comprehensive finance management platform enabling users to monitor spending, set budgets, and view insightful financial patterns through interactive dashboards.
- Automated monthly **email reports** and generated smart data summaries to help users track income–expense trends.
- Enabled **transaction categorization**, **budget insights**, and user account modules with secure architecture, controlled data operations for seamless performance.

Acadence – Personalized E-Learning Platform

[Source Code](#)

- Engineered a full-stack e-learning platform using MERN stack, featuring secure user **authentication (JWT)**, **role-based access**, and structured course and lesson management flows.
- Designed responsive UI with React, Vite, Tailwind CSS, and React Router, implementing reusable components, dashboards, progress tracking, and activity visualizations using Recharts.
- Built scalable backend services with Node.js, Express.js, MongoDB Atlas, and Mongoose, enabling course enrollment, user progress updates, email notifications, and optimized API communication via **Axios**.

Personal Portfolio

[Source Code](#)

- Created a responsive personal portfolio using React and Tailwind CSS, featuring advanced components, interactive sections, and improved layouts to showcase projects and skills across devices.
- Integrated smooth animations, modern UI elements, and interactive sections for an engaging browsing experience.

TECHNICAL SKILLS

Languages: C, C++, JavaScript

Frontend: HTML, CSS, ReactJS

Backend: ExpressJS, NodeJS

Cloud & Databases: MongoDB, MySQL

Developer Tools: VS Code, Git/GitHub

Concepts: Data Structures and Algorithms, OOP, Software Engineering (Agile, SDLC, SOLID)

Coursework: Operating Systems, DBMS, Computer Networks

Data Analytics Skills: NumPy, Pandas, Scikit-learn, Data Visualization (Matplotlib), Statistical Methods

ALGORITHMIC COMPETITIONS/ACHIEVEMENTS

- Solved **500+** DSA problems ranging from easy to hard levels on Leetcode, GFG, and Coding Ninjas, consistently building critical algorithmic thinking skills; ranked in the top 50% on LeetCode.
- Selected for the prestigious Infosys Flagship Virtual Internship Program 6.0, 2025 (Ongoing). [Link](#)
- Led Kanyathon 2024 as CEO & Social Impact Volunteer, driving education and digital literacy programs. [Link](#)

CERTIFICATIONS

- Data Structures and Algorithms in C++ – **Udemy** | June 2025
- Introduction to AI – **Infosys Springboard** | June 2025