

# AANYA SINGHAL

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## EDUCATION

<b>Jaypee Institute of Information Technology, Noida</b>	<b>2023 - 2027</b>
B.Tech in Computer Science & Engineering	8.2 CGPA
<b>Dewan Public School</b>	<b>2023</b>
Senior Secondary	93.2%
<b>Dewan Public School</b>	<b>2021</b>
High School	97.4%

## WORK EXPERIENCE

<b>Infosys – Project Intern</b>	<b>October 2025 - Present</b>
AI-Based Legal Reference & Case Retrieval System	Remote
<ul style="list-style-type: none"><li>Collecting and structuring multi-format legal data (IPC, CrPC, Constitution, State Laws) from PDFs, HTML, and datasets for ingestion into the database.</li><li>Implementing semantic search using HuggingFace embedding models and integrating Pinecone vector database for efficient high-dimensional retrieval.</li><li>Building the initial system workflow by linking retrieval results with LLM-based reasoning using LangChain.</li></ul>	
<b>PROJECTS</b>	

<b>Fintrack – Advanced Expense and Budget Tracker (SaaS Platform)</b>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Developed a comprehensive finance management platform enabling users to monitor spending, set budgets, and view insightful financial patterns through interactive dashboards.</li><li>Automated monthly <b>email reports</b> and generated smart data summaries to help users track income-expense trends.</li><li>Enabled <b>transaction categorization, budget insights</b>, and user account modules with secure architecture, controlled data operations for seamless performance.</li></ul>	
<b>Acadence – Personalized E-Learning Platform</b>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Engineered a full-stack e-learning platform using MERN stack, featuring secure user <b>authentication (JWT), role-based access</b>, and structured course and lesson management flows.</li><li>Designed responsive UI with React, Vite, Tailwind CSS, and React Router, implementing reusable components, dashboards, progress tracking, and activity visualizations using Recharts.</li><li>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 <b>Axios</b>.</li></ul>	

<b>Personal Portfolio</b>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>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.</li><li>Integrated smooth animations, modern UI elements, and interactive sections for an engaging browsing experience.</li></ul>	

## 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