

ARYAN VERMA

Lucknow, Uttar Pradesh

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Education

Babu Banarasi Das Engineering College

B.Tech in Computer Science and Engineering - CGPA: 8.01/10

Aug 2022 – July 2026

Lucknow, India

New Public School (ISC)

Class XII - Aggregate: 72.4%

2020 – 2022

Lucknow, India

New Public School (ICSE)

Class X - Aggregate: 79.1%

2018 – 2020

Lucknow, India

Projects

Shortest Path Visualizer

2025

- Built an interactive React-based pathfinding visualizer implementing the Breadth-First Search (BFS) algorithm to highlight the shortest path between dynamic start and end points on a grid.
- Integrated user-friendly features including click-to-place start/end nodes, wall placement, and a "Generate Random Walls" button to simulate realistic maze-like obstacles.
- Visualized BFS traversal and shortest-path discovery in real time, enhancing user understanding of graph-based search algorithms through smooth, step-by-step animations.

AI Resume Analyzer

2025

- Developed a responsive Resume Analyzer web app using React that lets users upload resumes (PDF or TXT) and input job descriptions.
- Integrated Google Gemini API to analyze resumes against job descriptions and generate match percentages, keyword suggestions, and tailored feedback.
- Utilized Tailwind CSS for modern UI, FileReader API for local file parsing, and dynamic rendering to ensure full frontend functionality with no backend.

School Management System

2025

- Built a modular School Management System using React and React Router for smooth navigation between dashboards, students, teachers, and classes.
- Handled state management using React's `useState` and props for real-time updates to student records, teacher assignments, and schedules.
- Implemented live counters for total students, teachers, and classes, reflecting instant updates as data changes across components.

Certificate

Deloitte Australia Technology Job Simulation on Forage

June 2025

- Completed a job simulation involving development and coding.
- Wrote a proposal for creating a technology dashboard for internal use.

Technical Skills

Languages: HTML, CSS, Java, JavaScript

Web Library: React.JS

Styling Frameworks: Tailwind CSS

Databases: MySQL

Tools: Git, GitHub, VS Code

Relevant Coursework

- Data Structures and Algorithms
- Object-Oriented Programming
- Database Management Systems