

VANSH

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EDUCATION

Indian Institute of Information Technology and Management, Gwalior

B.Tech in Computer Science and Engineering (CSE)

DAV Sr. Sec. School Chitra Gupta Road New Delhi

Senior School Certificate Examination

Expected July 2027

Cumulative GPA: 7.10

July 2022

Percentage: 89.17%

TECHNICAL SKILLS

Languages: C, C++, JavaScript(ES6+), SQL

Frontend: HTML5, CSS3, React.js, React, Tailwind CSS, Responsive Design

Backend development: Node.js, Express.js, RESTful APIs, WebSockets ([Socket.io](#)), JWT, Bcrypt

Database: MongoDB, PostgreSQL, mongoose, MySQL

Tools & Platforms: Git, Github, VS Code

Deployment & Hosting: Render, Vercel

PROJECTS

Recruitment Management System | React 19, Node.js, Express 5, MongoDB, Tailwind CSS, JWT, Cloudinary

- Developed a full-stack MERN recruitment platform with React 19 frontend and Express 5 REST API backend
- Implemented secure user authentication using JWT tokens and Bcrypt password hashing
- Integrated Cloudinary for cloud-based resume/document uploads with Multer middleware
- Built responsive UI using Tailwind CSS 4 with Framer Motion animations for enhanced UX
- Designed MongoDB schemas with Mongoose for managing jobs, candidates, and applications
- Created rich text job posting editor using Quill for formatted job descriptions

Graph Theory Pathfinding Visualizer | JavaScript (ES6), HTML5, CSS3, Node.js

- Implemented 5 pathfinding algorithms (A*, Dijkstra's, Greedy, BFS, Bidirectional) with real-time visualization
- Developed recursive maze generation algorithms and multiple heuristic functions
- Built interactive grid UI with dragable nodes, wall drawing, and animation speed controls
- Designed custom CSS animations for visualizing algorithm execution step-by-step

COURSEWORK

- Data Structures & Algorithms (DSA)
- Object Oriented Programming (OOP)
- Database Management System (DBMS)
- Operating Systems (OS)