

# VANSH

[vanshkardam123@gmail.com](mailto:vanshkardam123@gmail.com) | (+91) 8587885685 | [LinkedIn](#) | [Leetcode](#) | [Codeforces](#) | [Github](#)

## 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 draggable 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)