

# Vansh

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[Github](#)

[LinkedIn](#)

## Education

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Delhi Technological University  
Bachelor of Technology in Information Technology

(2023 - 2027(expected))  
GPA: 7.67

## Technical Skills

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Frameworks and Toolkits: Express.js, React.js, jQuery  
Programming languages: JAVA, JavaScript, MongoDB, MySQL, HTML, CSS  
DevOps & Others: Git, GitHub

## Work Experience

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**FEAT: The Career Institute – Backend Development Intern** (17 June 2025 - 19 July 2025)

- Developed and implemented **6+ RESTful APIs** to manage student login, course video access, and registration workflows, supporting over **500+** active students.
- **Collaborated with a team of 3 developers** to integrate 6+ backend APIs with the frontend, improving system reliability and reducing frontend-backend sync issues by **40%**.
- Built scalable backend features using modern development practices, ensuring uptime of **99.9%** during the internship.

## Projects

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**Laplace Transform Library - Javascript**

[Github](#)

- Built a mathematical library focused on Laplace Transforms, providing up to **30% faster computation of transforms and inverse transforms compared to existing solutions**.
- Implemented **10+ functions for solving differential equations** and analyzing systems in the s-domain, enhancing applications in engineering and signal processing.
- Designed the library with modular and extendable architecture, **allowing seamless addition of 2+ advanced mathematical operations**.

**Hospital Management System - Node.js, HTML, CSS, Express, MongoDB**

[Github](#)

- **Integrated 4+ key features**, including automated patient registration, real-time appointment scheduling, adaptive bed availability tracking, and an integrated billing system, improving hospital workflow efficiency by 30%.
- Designed a role-based authentication system with 3 user roles (doctors, patients, admins), **ensuring 100% secure and streamlined hospital operations**.
- Developed a queue management system for OPD using real-time ticket generation, **reducing patient wait times by 40% and handling 200+ patients daily**.

## Position of Responsibility

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**Team Leader – Smart India Hackathon (SIH)**

(August 2024 - September 2024)

- Led a team of **6 developers**, delegating tasks based on individual strengths to maximize efficiency and output.
- Established clear project goals and timelines, **ensuring 100% on-time milestone completion while maintaining high-quality standards**.
- Secured **7th place out of 400 intercollege teams**, demonstrating innovation and technical proficiency.

## Achievements

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- Solved **250+** data structure and algorithm problems on LeetCode in java.
- Ranked **5216** on Codolio out of all the user in the whole world .

[Leetcode](#)

[Codolio](#)