

# N V VENKATA PRABHANJAN

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## OBJECTIVE

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Motivated Information Science student with a strong foundation in Java, data structures, algorithms, and problem-solving. Proficient in JavaScript, TypeScript, ReactJS, NextJS, NodeJS, ExpressJS, MongoDB, and SQL. A collaborative team player with excellent communication skills, eager to contribute to innovative projects and develop practical solutions.

## EDUCATION

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<b>Bachelor of Engineering</b> , B M S College of Engineering Information Science and Engineering CGPA: 9.02	2022 - 2026*
<b>Board of Intermediate Education</b> , Sri Vidhya Junior College Percentage: 97.5	2022
<b>Board of Secondary Education</b> , Narayana English Medium School Percentage: 100	2020

## SKILLS

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<b>Programming Languages</b>	Java, C++, C
<b>Technical Skills</b>	Data Structures, Algorithms, OOPS, DBMS, Operating Systems
<b>Web Development</b>	HTML, CSS, JavaScript, TypeScript, ExpressJS, ReactJS, NextJS, NodeJS
<b>Databases</b>	MongoDB, SQL

## EXPERIENCE

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<b>Full Stack Web Developer</b> Parjanya Web Development	Aug 2024 - Oct 2024
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- **St. Joseph High School**
  - Developed a full-stack website using **Next.js**, providing seamless navigation and dynamic content updates for school-related information.
  - Enhanced accessibility and responsiveness, improving the user experience for parents, students, and staff. ([Visit Website](#))
- **Curly Cuts Pet Grooming**
  - Designed a responsive website using **Next.js**, showcasing pet grooming services with a user-friendly interface.
  - Optimized the mobile-first design, improving engagement from mobile users. ([Visit Website](#))

## RESEARCH PUBLICATIONS

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### Research on Ambulance Congestion Real-Time Adaptive Methods

- Conducted a study on optimizing ambulance routes and traffic signal timings using real-time data integration and machine learning.
- Proposed a system leveraging **reinforcement learning**, predictive analytics, and IoT sensors for real-time adaptive traffic management.
- Published findings in **International Journal of Creative Research Thoughts**, January, 2025.

## PROJECTS

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### Job Portal ([GitHub Repository](#))

- Developed a full-stack job portal using **Express.js**, **React**, **Tailwind CSS**, and **MongoDB**, connecting job seekers and employers.
- Designed a responsive UI with **Tailwind CSS**, enabling smooth navigation and an intuitive user experience.
- Built a robust back-end with a **RESTful API** for handling job postings, user profiles, and applications.

### Farouche Hostel Fest ([GitHub Repository](#))

- Built an event registration platform for **Farouche Hostel Fest** using **React.js**, **Express.js**, and **MongoDB**.
- Successfully handled registrations for over **1,500 participants**, streamlining the event registration process.

## EXTRA-CURRICULAR ACTIVITIES

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- **Junior Coordinator** for **UTSAV** and **PHASE SHIFT** events: Worked in the **Information and Development** team, contributing to web development, information management, and ensuring smooth execution of event-related technical tasks.