

# Rajendra Chaudhary

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## Career Objective

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Computer Science undergraduate seeking a **Software Developer Trainee (Full Stack)** role. Strong foundation in **data structures, object-oriented programming, and web development**. Hands-on experience building end-to-end applications using **React.js, Node.js, Express.js, and MongoDB**, with a problem-solving mindset and eagerness to learn and grow in a product-based engineering environment.

## Target Job Role

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Software Developer Trainee (Full Stack)

## Technical Skills

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- **Programming Languages:** Java, Python, JavaScript
- **Web Technologies:** HTML, CSS, JavaScript, React.js
- **Backend Development:** Node.js, Express.js, RESTful APIs
- **Databases:** MongoDB, SQL (basic queries)
- **Computer Science Fundamentals:** Data Structures (basics), Object-Oriented Programming, DBMS, Operating Systems, Computer Networks

## Tools & Technologies

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Git, GitHub, VS Code, MongoDB Atlas, Linux (basic command line), Agile fundamentals, SDLC concepts

## Projects

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### Smart Blind Stick for Obstacle Detection — Embedded Systems

- Designed and developed an assistive device to help visually impaired users detect nearby obstacles in real time.
- Used ultrasonic sensors to measure distance and identify objects ahead of the user.
- Implemented buzzer and vibration alerts for immediate feedback.
- Integrated an SOS button that sends an emergency message and initiates a real-time call to a predefined contact.
- Tested the system in real-world scenarios to improve accuracy and reliability.

### Virtual Assistant Web Application — React.js, Node.js, Express.js, MongoDB

- Built a web-based virtual assistant that responds to user queries through a simple interface.
- Developed backend APIs using Node.js and Express.js to handle requests and responses.
- Stored and managed conversation data using MongoDB.
- Focused on clean code structure, proper routing, and basic error handling.

## Education

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### Bachelor of Engineering (B.E.) – Computer Science Engineering

Chitkara University, Himachal Pradesh

CGPA: 8.93 / 10

### Class X (Secondary School)

Aishwarya Vidya Niketan, Nepal

CGPA: 3.90 / 4.0

## Achievements

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- Won trophies and medals in inter-school and college-level sports competitions including **Football, Badminton, and Volleyball**.
- Represented teams in competitive matches, demonstrating teamwork, discipline, and leadership.
- Actively participated in college-level technical events, coding activities, and group-based academic projects.