

# VARUN V JAMADAGNI

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## Education

### RNS Institute of Technology

Bachelor of Engineering in Information Science **CGPA: 8.74**

**Dec 2022 – Present**

Bangalore, Karnataka

### Sadhana PU College

Pre-University Course (PCMCs) **Percentage: 96.5%**

**2022**

Bangalore, Karnataka

## Relevant Coursework

- Data Structures
- SQL
- MongoDB
- Computer Networks
- Java Programming
- DBMS
- JavaScript

## Projects

### Food Delivery System | *MERN*

**Nov 2024**

- Developed a website which allows customers to order food and allows admin to have a record of all the orders.
- Implemented user authentication, advanced search, and filtering options.

### Stock Price Prediction | *ML*

**May 2025**

- Developed an LSTM-based time-series model to forecast stock prices using Yahoo Finance data, with preprocessing, normalization, and 60-day input windows.
- Evaluated using  $R^2$ , MSE, and MAE; deployed for next-day predictions with visual actual vs. predicted comparisons.

### E-Commerce REST API | *Express.js*

**Aug 2025**

- Designed and implemented a RESTful backend for an E-Commerce system with Node.js, Express, and MongoDB.
- Ensured secure user authentication, efficient product CRUD operations, and seamless order processing.

### ALERTMATE 360: Smart Wearable for Instant SOS & Emergency Alerts | *IoT, App Development*

**April 2025**

- Developing an IoT-based wearable using ESP32, GSM, GPS, and health sensors with a Flutter app for live vitals tracking, SOS alerts, and geo-fencing.
- Integrating Firebase for authentication, storage, and notifications; optimizing for offline use to ensure reliability and rapid emergency response. **(Team Size: 4)**

## Technical Skills

**Languages:** Java, JavaScript, SQL, HTML/CSS

**Frameworks/Tools:** Node.js, Express.js,

**Databases:** MySQL

**Developer Tools:** VS Code, Eclipse, PowerBI, Tableau

## Virtual Experience

### Data Analytics Virtual Experience

**Aug 2025**

*Deloitte (Forage)*

*Online*

- Analyzed large datasets to identify business insights and trends.
- Built interactive dashboards in PowerBI to support decision-making.

## Certifications

Java Basics – HackerRank (2025)

Project Management Essentials – Coursera (2025)

SQL Intermediate – HackerRank (2025)

Introduction to Networking and Cloud Computing – Coursera (2025)

## Events & Participation

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- Attended an industry interaction event organized by **FKCCI (Federation of Karnataka Chambers of Commerce and Industry)**, Bangalore, as part of a student team from **RNS Institute of Technology**, gaining insights into entrepreneurship, innovation, and industry practices.
- Presented the project **AlertMate** at the **International Conference on Digital Technologies and Emerging Trends (ICDTE)**, organized by **Springer**, showcasing innovative solutions for safety and real-time emergency response.

## Extracurricular

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- Badminton: Represented the college team in inter-collegiate tournaments.
- Cricket: Played competitive cricket at school and local levels.
- Fitness: Regularly train at the gym and participated in 5K runs, demonstrating consistency and perseverance.