

# VARUN V JAMADAGNI

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## Education

<b>RNS Institute of Technology</b> <i>Bachelor of Engineering in Information Science</i> <b>CGPA: 8.74</b>	<b>Dec 2022 – Present</b> <i>Bangalore, Karnataka</i>
<b>Sadhana PU College</b> <i>Pre-University Course (PCMCs)</i> <b>Percentage: 96.5%</b>	<b>2022</b> <i>Bangalore, Karnataka</i>

## Relevant Coursework

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

## Projects

<b>Food Delivery System   MERN</b>	<b>Nov 2024</b>
<ul style="list-style-type: none"><li>• Developed a website which allows customers to order food and allows admin to have a record of all the orders.</li><li>• Implemented user authentication, advanced search, and filtering options.</li></ul>	
<b>Stock Price Prediction   ML</b>	<b>May 2025</b>
<ul style="list-style-type: none"><li>• Developed an LSTM-based time-series model to forecast stock prices using Yahoo Finance data, with preprocessing, normalization, and 60-day input windows.</li><li>• Evaluated using R<sup>2</sup>, MSE, and MAE; deployed for next-day predictions with visual actual vs. predicted comparisons.</li></ul>	
<b>E-Commerce REST API   Express.js</b>	<b>Aug 2025</b>
<ul style="list-style-type: none"><li>• Designed and implemented a RESTful backend for an E-Commerce system with Node.js, Express, and MongoDB.</li><li>• Ensured secure user authentication, efficient product CRUD operations, and seamless order processing.</li></ul>	
<b>ALERTMATE 360: Smart Wearable for Instant SOS &amp; Emergency Alerts   IoT, App Development</b>	<b>April 2025</b>
<ul style="list-style-type: none"><li>• 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.</li><li>• Integrating Firebase for authentication, storage, and notifications; optimizing for offline use to ensure reliability and rapid emergency response. <b>(Team Size: 4)</b></li></ul>	

## 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

<b>Data Analytics Virtual Experience</b> <i>Deloitte (Forage)</i>	<b>Aug 2025</b> <i>Online</i>
<ul style="list-style-type: none"><li>• Analyzed large datasets to identify business insights and trends.</li><li>• Built interactive dashboards in PowerBI to support decision-making.</li></ul>	

## 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.