

# Niharika Neelam

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## PROFESSIONAL SUMMARY

*I am a dedicated and enthusiastic second-year B.Tech student at Vellore Institute of Technology, with a strong interest in programming and web development. I have foundational knowledge in C, Java, Python, HTML and CSS. Eager to gain hands-on experience. I am actively seeking opportunities to apply and expand my technical and problem-solving skills in a professional environment.*

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## PROJECTS

### Intelligent Medicine Dispenser | Python(pytttsx3), Arduino |

- Developed a voice-activated system to address the challenges of medication management for elderly individuals and busy caregivers. The system leverages speech recognition to identify symptoms (e.g., fever, cough) and automatically dispenses the appropriate medication at pre-scheduled times. Designed to ensure timely and accurate dispensing, enhancing convenience and compliance with medical regimens.
- **Key Features:**  
Voice Recognition, Medicine Dispensing, Text-to-Speech Feedback.

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## TECHNICAL SKILLS

**Languages:** Java, SQL

**Technologies/Frameworks:** Github

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## EDUCATION

### Bachelor of Technology | 2023-2027

Vellore Institute of Technology, Andhra Pradesh

- **Relevant Coursework:**
- Data Structures and Algorithms, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Artificial Intelligence & Machine Learning, Software Engineering, Web Development, Mobile App Development.

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## KEY STRENGTHS

- **Communication and Leadership:** Successfully presented a project to a panel of professors, receiving commendation for clarity and innovation.
- **Technical and Creative:** Designed and implemented a home automation system using basic IoT devices.
- **Teamwork and Collaboration:** Contributed to a successful group project, ensuring deadlines were met and quality standards maintained.

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## CERTIFICATIONS

- Secured Matlab Onramp Certificate
  - Qualified to JEE Advance Exam
  - Recognized for strong performance in AP EAPCET 2023
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