

# ALAPAKA MADHU

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## SUMMARY

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Motivated Software Engineering student (M.Tech Integrated) at VIT with expertise in software development, AI/ML, and embedded systems. Skilled in problem-solving, project management, and leadership, with experience in innovative projects and technical club activities. Adaptable, analytical, and committed to continuous learning, with certifications in Microsoft Azure AI and ISRO's Space Technology Training.

## EDUCATION

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**MTech Integrated Software Engineering**, Vellore Institute of Technology, 2021 - 2026 9.34 CGPA

**Intermediate**, Narayana Junior College, Nellore, 2019 - 2021 83

**10th Class**, Ravindra Bharathi School, Nellore, 2018 - 2019 7.8 CGPA

## SKILLS

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**Programming** Java, Python, HTML, CSS, JavaScript, SQL, R, C, Machine learning.

**Soft Skills** Teamwork, Time Management, Problem Solving.

**Developer tools** GitHub, Visual Studio Code, R Studio.

## EXPERIENCE

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**Web 2.0 Supervisor** July 2023 - May 2024  
NextGen Cloud Club Vellore Institute Of Technology

- Managed team coordination, project execution, and technical improvements within the club.

**Outreach Lead** August 2021 - November 2022  
Pennify Chapter Vellore Institute Of Technology

- Spearheaded outreach initiatives to enhance club visibility and membership. Established partnerships, handled communications, and promoted events effectively.

## PROJECTS

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**Analysis of health risk diction system:** Developed an advanced machine learning system for early detection and risk assessment of heart disease, diabetes, kidney disease, Parkinson's, and Hepatitis C. Implemented optimal algorithms for each condition and integrated the system into a user-friendly Streamlit web application, enhancing diagnostic accuracy and supporting proactive disease management.

**Embedded system motor control:** Developed an Arduino-based control system to simulate real-time elevator operations, integrating motor drivers and user interface buttons for precise floor selection. Conducted extensive testing to ensure reliable performance and accurate destination control, effectively mimicking real-world elevator functionality.

**Advance android attendance users app:** Developed an Android Attendance App using XML and Java, offering efficient attendance tracking and subject management with a user-friendly interface. Designed for seamless updates and an intuitive user experience, it provides a professional solution for course administration.

## CERTIFICATIONS

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- Microsoft Azure AI-900 Fundamentals — Microsoft Certified
- Python Certificate — Hacker Rank
- Merit Certificate Space And Technology Awareness Training — ISRO
- UNSTOP by Flipkart 5.0 and 6.0 Certificate (1st level Complete) — Flipkart