DONTHU SAI NAGA VENKATA AJAY RAGHAVA

9491036441 | ajaydonthu123@gmail.com | [LinkedIn](#) | [Github](#)

PROFILE

As an experienced Software Engineering student from VIT Chennai, I possess a strong foundation in Python, Java, HTML, CSS, JavaScript, and PHP. Beyond technical expertise, I've delved into risk management through projects like the Intelligent Plant Monitoring System. My collaboration and teamwork skills have been honed through hands-on API development, problem-solving challenges, and effective communication. My stint at Oasis InfoByte further refined my remote collaboration abilities, while my proficiency in poster designing and video editing has amplified project presentations.

SKILLS AND STRENGTHS

- **Programming Languages:** Python, HTML, CSS, React JS, Java.
- **Back-end Development:** PHP, Google Firebase, SQL.
- **Technologies:** GIT, Rest API, Jira.
- **Soft Skills:** Poster Designing, Video Editing & Team Management.

EDUCATION

- Integrated MTECH Software Engineering (2020 - Present), CGPA: 8.09, Vellore Institute of Technology, Chennai Campus.
- Intermediate (2018 - 2020), CGPA: 8.28, Sri Chaitanya Junior College, Guntur.
- Class 10th (2018), Percentage: 64.8%, Dr. KLP Public School (CBSE), Guntur.

PROJECTS

- **Intelligent Plant Monitoring and Auto-Watering System**
  - Integrated PIR sensors, Soil Moisture, and DHT11 for data collection.
  - Utilized Firebase and Blynk platforms for cloud-based data storage, analysis, and visualization.
  - Incorporated buzzers and water motors for automated plant monitoring and watering.

- **Smart Fan Speed Controller**
  - Utilizes DS18B20 sensor for temperature detection.
  - Adjusts fan speed according to temperature variations.
  - Regulates fan speed with the IRF540 component for enhanced control.

- **Web-based Speech Interaction Platform using Python**
  - Developed web project enabling bidirectional audio-text conversion using OpenAI Whisper for audio-to-text and gTTS for text-to-audio.
  - Incorporated Gemini model for generating contextually relevant user responses.
  - Integrated Streamlit framework to enhance user interface and interaction.

- **Movie Library Application**
  - Developed using React.js and OMDB API to provide real-time movie search and detailed views.
  - Deployed on Vercel for high performance and availability.
  - Implemented responsive design and efficient state management with React hooks [Link](#).

CERTIFICATIONS

- [Security, Compilance, and Identity Fundementals](#), Microsoft, (06/2023).
- [Technical Support Fundementals](#), Google, (02/2022).

EXPERIENCE

- **Oasis InfoByte** Web Development and Designing (04/2023) - (05/2023) - Remote
  - ✓ **Technologies:** VS Code, HTML, CSS, JavaScript.
  - ✓ **Experience:** Hands-on learning in remote web development and design.
  - ✓ **Skills Developed:** Coding and designing websites in a remote work environment.
- **Abhyaz** Video/Audio Editor Intern (05/2023) - (06/2023) - Remote
  - ✓ **Responsibilities:** Assisted with video and audio editing tasks which includes editing footage, Creating Posters.
  - ✓ **Tools Used:** Utilized Canva and Zoho sites for editing tasks indicating proficiency in these platforms.

- **Make-A-thon:** Departmental level project expo resulting in 3rd place.
  - ✓ Presented the Intelligent Plant Monitoring and Auto-Watering System at the Make-A-thon, securing 3rd place.
  - ✓ Showcased the system's innovative use of sensors and automation for optimized plant care.
  - ✓ Recognized for the project's effectiveness and ingenuity in improving agricultural practices.

STUDENT ACTIVITIES

- **Health and Wellness Club,** VIT Chennai, President, (05/2023) - Present.
  - ✓ Organize and oversee health and wellness initiatives for VIT Chennai students.
  - ✓ Coordinate events promoting physical, mental, and emotional well-being.
  - ✓ Foster a supportive community focused on holistic health practices and education.

- **Nature, Ecology and Adaptation Club,** VIT Chennai, Volunteer, (01/2023) - (05/2023) .
  - ✓ Facilitated community engagement through nature conservation projects and clean-up drives.
  - ✓ Fostered collaboration among members to develop innovative solutions for environmental challenges.

- **Health and Wellness Club,** VIT Chennai, General Secretary, (06/2022) - (05/2023).
  - ✓ Led Health and Wellness initiatives, fostering a holistic approach to student well-being.
  - ✓ Coordinated diverse activities promoting physical fitness, mental health, and nutrition awareness.
  - ✓ Facilitated workshops and seminars to educate and empower students on wellness practices.