Rishywanth Ambalam

Chennai, TN | rishywanthambalam@gmail.com | +91 9840499600 | github.com/rishy05| linkedin.com/in/rishywanth-ambalam |Date of birth= 05:08:2003 Current salary = 600000 | Gender : Male

CAREER OBJECTIVE

Enthusiastic data scientist and AI enthusiast with hands-on experience in web scraping, data analytics, and AI applications. Eager to leverage skills gained from internships and leadership roles to contribute innovative solutions in a collaborative work environment.

EXPERIENCE

- **1-year AI** internship at **AIROSSPACE R&D** (Aug 2022 – Aug 2023).

- **2-month** internship **in data science and automation** at **THE HINDU** (Aug 2023 – Oct 2023).

- **Mehar Baba Round 2 qualifier** (Indian Air Force - Small object detection).

- Former AI/ML division lead at Google Developer Student's Club.

- Solely managed college culturals and symposium websites.

- Participant in Smart India Hackathon.

EDUCATION

- S.B.O.A School and Junior College (2008 – 2019).   **10th percentage – 86%**
- Sri Chaitanya Techno School (2019 – 2021).   **12th percentage – 87%**
- Chennai Institute of Technology (Present – 2025).   **CGPA – 8.21**

SKILLS

- Python
- Computer Vision
- Natural Language Processing
- Javascript (Node.Js, React)
- Web Testing (Selenium) Web Scrapping
- Data Analytics
- Prompt Engineer
- Data Science
- Cloud computing (AWS, GCP, Meta cloud)
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PROJECTS

- **Fully Automated Skill Rack website:** • Spearheaded the creation of a Fully Automated Skill Rack website, featuring an AI-powered Coding Problem Solver, streamlining the coding challenge experience with automatic login and advanced algorithmic solutions.
    - **Key Features:** Completely automated, behaves exactly like how a human would.
    - **Tech Stacks used:** Selenium, ChatGPT 3.5 API, and YOLOv5.

- **Detecting and classifying small Objects from a height of 20m:** • Utilized advanced math techniques with my team to achieve precise latitude and longitude detection of objects (~2m error rate), crucial for pinpointing debris in the Mehar Baba competition.
    - **Key Features:** Very high accuracy rates.
    - **Tech Stacks used:** YOLOv5.

- **Getting the exact location of detected objects in photo takes by drones:** Utilized advanced math techniques with my team to achieve precise latitude and longitude detection of objects (~2m error rate), crucial for pinpointing debris in the Mehar Baba competition.
    - **Key Features:** Never done before in the context of drones, extremely accurate, Zero cost and computationally very light.
    - **Tech Stacks used:** Mathematics, YOLOv5, OpenCV

- **Point Out Problem (Currently working):** Utilizing AI to identify and report potential threats in photos for enhanced public safety.
    - **Key Features:** Complete anonymity, Instant action
    - **FRONT-END:** Figma, ReactJs.
    - **BACK-END:** Python, Flask, YOLOv5.

- **Government_360 (Currently working):** Led Indian government sentiment analysis, automating alerts to PIB via **WhatsApp** and **Email**. Created an efficient **AI WhatsApp chat bot** with **OCR**-based ID verification and automated reporting for improved workflow. Key features include a user-friendly dashboard.
    - o **FRONT-END:** React Native.
    - o **BACK-END:** Python, Tesseract, GPT, Tensorlfow