Ajay Suresh

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EDUCATION

- **Panimalar Institute of Technology** — Tamilnadu, India
  Bachelor of Technology - Artificial Intelligence and Data Science; GPA: 8.09 — *Oct 2020 - June 2024*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- **Languages**: Python, JavaScript, SQL, JAVA, MongoDB
- **Frameworks**: Scikit, NLTK, SpaCy, TensorFlow, Django, Flask, NodeJS, PyTorch
- **Tools**: GIT, MongoDB Atlas, MySQL, SQLite, Postman
- **Platforms**: Linux, Web, Windows, Firebase
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Planning

EXPERIENCE

- **Freelancer** — Remote
  Web Developer — *March 2023 - Dec 2023*
  - **Portfolios for Business**: Designed and Developed web apps for 3 and more business to promote their online presence.
  - **UI Design for Personal Portfolios**: Designed and Developed UI/UX for personal portfolios using Figma and ReactJS v18.

- **Optisol Business Solutions** — On Site
  Student Intern — *March 2024 - Present*
  - **Carbon Soot Detection**: Developing a Live Video processing system to detect and alert presence of waste in a conveyor belt with more than 90% accuracy

- **ULLAS Trust** — On-Site
  Mentor (Volunteer, NGO) — *June 2020 - Present*
  - **Touch the Soil - Visited around 50 rural area schools and conducted career guidance for over 5000 + Young Minds**: Lead a team and Managed UEE Examinations on year 2023.

PROJECTS

- **FarmHUB -Full Stack Multimodal web app (NLP, Large Language Models, API, Multimedia Processing)**: Generative AI Oriented web app for enhancing and literating users about Farming Techniques. Tech: Python, Flask, Llama2, PyTorch, JavaScript (January '24)

- **Athena (API, NLP, ChatBot, GenAI) (in progress)**: GenAI Telegram Bot to resolve and boost a user's learning experience by 65% faster with providing Proper Roadmaps along with courses and suggestions. Tech: Python, Alibaba Cloud, Raspberry Pi, Arduino, SUMO & OpenCV. (March '24)

- **Automated News Summarizer app using Facebook's BERT (Web Scraping, API, NLP, System Design)**: Random or Specific genre News were scraped and properly summarized for user reading it enabling the user's to read more news. Tech: Python, JavaScript, HuggingFace, NLTK (Jan '23)

- **Gesture and Action based System Control using Deep Learning (Deep Learning, Computer Vision, Neural Networks, Mediapipe)in progress**: Inspired from Apple's Vision pro hand control feature implemented to Systems using Single Web Camera. Tech: Python, JavaScript (Dec '24)

- **Video Automation Tool(Python, GenAI, Speech to Text**: Created from scratch an automated Video generation tool based on user's input and uses GenAI to generate scripts and render a video with a duration of atmost 50 seconds. Tech: Python, NLP, LLMs, API, Text to Speech (Feb '24)

- **MERN Stack projects**: built scalable web apps using MERN Stack for organizations and for personal individuals also to enhance their online presence. Tech: Database, ReactJS, NodeJS, HTML, CSS, Git, Cloud (Mar '23 - Dec '23)

HONORS AND AWARDS

- Winner of Idea Pitching in Inter-College Event - Oct, 2023
- Runner Up in Intralevel coding competition - July, 2023
- Second Runner's Up in Debugging at SIMATS - Nov, 2023
- Finalists at PEC Hacks - January, 2024
- Finalists at Techathon at SIMATS - Nov, 2023