Utkarsh Verma

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Profile Summary

Full-stack Developer with expertise in **React, Angular, Vue**, and **2+ years of freelancing** on Fiverr, delivering tailored solutions to **small businesses** and **individual clients**. Published in the **EV Journal** for **Speech Cloning**, showcasing deep learning and AI expertise. Skilled in building **scalable cloud systems** using **AWS** services like **S3, Lambda, EC2,** and **SageMaker**. Ready to bring innovation and technical depth to the next opportunity.

Education

- **Vellore Institute of Technology (VIT)**   Vellore, Tamil Nadu
  B.Tech in Computer Science and Engineering   Sept 2020 – Aug 2024

Work Experience

- **Waycool Foods Pvt Ltd (Summer Internship)**   May 23 – Jul 23
  React Developer
  - Built a **cloud-based Employee Management system** using **Next.js**
  - Integrated powerful features like **attendance monitoring**, **resource access management** (Jira, GitHub), and **appointment booking** (like Calendly).

Projects

- **Speech Cloning:**
  - Developed an innovative **text-to-speech cloning technology** under the guidance of Dr. Padmanabhan R.
  - Leveraged **single-stride CNNs and GRUs** to clone a reference voice sample, enabling the system to **replicate the voice for any given input text**.
  - The model delivers high-quality speech synthesis with remarkable accuracy and naturalness. Explore the project here. View Research Paper
- **Web_OS:**
  - Built **using Electron and Next.js**, this system is also deployable as a web application, offering a seamless user experience across platforms.
  - Key features include a **media player, ISO/IMG reader, photo viewer, and video player.** Explore the project here
- **Goggle Data Scrapper:**
  - A web-scapper designed to crawl through google maps to extract information of places in country, state, city or pincode.
  - Uses Apify, Puppetter module on Node Js and is deployed on AWS

Publication and Certification

- **AWS Certified Solution Architect Associate**
- **Speech Cloning using VITS**

Technical Skills

- **Languages:** Python, JavaScript, Typescript, Java
- **Frameworks:** React, Angular, Vue, Tensorflow, Pytorch
- **Technology:** AWS, Google Cloud, Azure, Git, Docker