

Surya Vamsi Dodddi

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SUMMARY

I'm a passionate Frontend Developer and certified AWS Cloud Practitioner who loves building clean, responsive, and pixel-perfect user interfaces. I enjoy turning ideas into smooth, fast web experiences using React, TypeScript, and Tailwind. With hands-on experience in deploying projects using AWS services like S3, CloudFront, and EC2, I'm always looking for creative ways to solve problems and bring fresh thinking to the table.

EDUCATION

Rajiv Gandhi University of Knowledge Technologies, Nuzvid

Bachelor of Technology in Computer Science and Engineering

Nuzvid, India

Sep 2022 – May 2026

EXPERIENCE

Frontend Developer – Scorify

July 2024

Remote, India

- Worked as part of a remote team to build a user-friendly platform that connects landlords, tenants, and agents for smoother property management.
- Focused on building clean, responsive UIs with **React** and **Tailwind CSS**, which helped improve user engagement by 25%.
- Faced challenges implementing real-time features and tackled them by learning better state management and optimizing component rendering.
- This experience strengthened my ability to work independently, communicate clearly in a remote setup, and adapt quickly to new tools and workflows.

Frontend Developer – Cygnus College Fest

March 2025

Rajiv Gandhi University of Knowledge Technologies, Nuzvid, India

- Led the design and frontend development of the official website for our college's cultural fest, aiming to capture the spirit of Indian tradition through a modern UI.
- Used **React.js** to create a responsive and accessible site that looked great across all devices.
- Ran into difficulties translating the visual design from Figma into code, but learned how to achieve pixel-perfect accuracy through refined CSS and layout techniques.
- This project taught me how to blend creativity with technical execution and deliver under tight deadlines.

PROJECTS

Tailor-Fit *Frontend Developer*

[Live Demo](#)

— [Frontend Code](#)

— [Main Repo](#)

An AI-powered virtual garment fitting platform that reconstructs 3D human models from a 2D image, extracts body measurements, and simulates real-time virtual try-ons with local tailor integration.

- Developed responsive UI components using **React.js** and styled them using **Tailwind CSS**.
- Integrated **Three.js** for real-time 3D model visualization and interactive virtual dressing.
- Collaborated with ML and backend teams to integrate body measurement APIs and garment fitting algorithms.

Mojito – Animated Website *Personal Project*

[Live Demo](#)

Developed a visually engaging, animation-rich static website using React.js and GSAP to showcase creative frontend development skills and enhance user interaction through elegant motion.

- Built a modern static website using **React.js** and **GSAP** to explore and demonstrate advanced animation techniques.

- Focused on transforming user experience by integrating smooth scroll-based effects, transitions, and timeline animations.
- Used component-based architecture and reusable animation logic to maintain performance and modularity.
- Undertook the project as a self-initiated learning opportunity to sharpen my animation skills and stand out as a creative frontend developer.
- Deployed the final build using **AWS S3 + CloudFront** for fast, serverless global delivery.

Auto Scaling with Load Balancer on AWS *AWS Cloud Practitioner*

Live Demo

Designed and deployed a scalable, fault-tolerant web infrastructure using AWS services like EC2, Auto Scaling Groups, and Application Load Balancer to handle dynamic web traffic with high availability.

- Built a custom VPC with subnets across multiple Availability Zones, ensuring fault tolerance and public accessibility.
- Created and configured Launch Templates to automate EC2 instance provisioning and web server setup.
- Implemented an Auto Scaling Group to dynamically adjust resources based on traffic and CPU load, improving cost-efficiency.
- Faced challenges with Target Group health checks and instance replacement loops, resolved by tuning health check settings and cooldown policies.
- Learned how to monitor and automate infrastructure using **CloudWatch** metrics and alarms, making the system fully hands-free and production-ready.

Mojito Website – Static Hosting with AWS S3 and CloudFront *AWS Cloud Intern*

Live Demo

Deployed an interactive React + GSAP website (Mojito) using AWS S3 for static hosting and CloudFront for global content delivery, achieving high availability, low latency, and serverless scalability.

- Configured Amazon S3 for static website hosting and managed public access through Origin Access Identity (OAI) and IAM policies.
- Used AWS CloudFront to distribute assets globally via edge locations, improving page load speed and reducing latency.
- Handled HTTPS, custom error responses, and caching mechanisms through CloudFront settings.
- Faced policy misconfigurations during deployment and resolved access issues by fine-tuning S3 bucket permissions.
- Learned how to build scalable, cost-efficient, and maintenance-free hosting infrastructure using AWS-native tools.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML5

Frameworks & Libraries: React.js, Tailwind CSS, Bootstrap, GSAP

Cloud Platforms & Tools: AWS (S3, EC2, CloudFront, IAM), VS Code, Git, GitHub, Postman

ACHIEVEMENTS

- Finalist in **Avishkaar Season 2** for developing an AI-based Travel Assistant.
- Winner of the **Project Expo** conducted by Teckzite in collaboration with the Government of India.