

# Surya Vamsi Doddi

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## SUMMARY

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I'm a dedicated Full Stack Developer (MERN) and AWS Cloud Practitioner passionate about building efficient, responsive, and user-centric web applications. I specialize in crafting scalable React interfaces using TypeScript and Tailwind CSS, and developing secure backends with Node.js, Express, and MongoDB. I have hands-on experience with state management (Redux, Context API), unit testing (Jest, Cypress), and deploying projects using CI/CD pipelines on AWS. My focus is on delivering high-performance, accessible, and maintainable web experiences that align with modern frontend best practices.

## EDUCATION

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**Rajiv Gandhi University of Knowledge Technologies, Nuzvid**

*Bachelor of Technology in Computer Science and Engineering*

Nuzvid, India

Sep 2022 – May 2026

## EXPERIENCE

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**Fullstack 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.
- Collaborated cross-functionally with backend and design teams using Figma for design handoff and prototyping.
- 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 frontend design and development of the official college cultural fest website using React.js and Tailwind CSS..
- Ensured pixel-perfect accuracy by closely translating designs from Figma into responsive, accessible layouts.
- Focused on performance optimization through code-splitting and lazy loading.
- Delivered under tight deadlines while maintaining clean, maintainable, and tested code.

## PROJECTS

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**FashionFit Full Stack Developer**

[Live Demo](#) | [GitHub Repo](#)

*An AI-powered full-stack platform for 3D body modeling, virtual try-on, and personalized garment fitting that integrates advanced deep learning with an interactive web interface.*

- Designed and implemented a full-stack application using **React.js**, **Node.js**, **Express**, and **MongoDB** with **JWT**-based authentication and secure data handling.
- Integrated advanced **deep learning models** for 3D human body reconstruction and virtual try-on, enhancing garment fitting accuracy and realism.
- Built a scalable workflow integration platform featuring real-time previews, payment gateway integration, and tailor dashboards for efficient order and customer management.
- Implemented CI/CD pipelines for automated deployments on AWS.

*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 to ensure high availability and public accessibility.
- Automated **EC2** provisioning and web server setup using Launch Templates and integrated **Auto Scaling Groups** for cost-efficient scaling.
- Configured **CloudWatch** metrics and alarms to monitor infrastructure and enable a fully automated, production-ready environment.

## AI Security Surveillance *Full Stack Developer*

Live Demo | [GitHub Repo](#)

*An AI-powered surveillance platform designed for real-time gesture recognition and abnormal activity detection, improving the efficiency of home security systems.*

- Developed the frontend using **React.js**, **Redux** and **Tailwind CSS**, creating responsive interfaces for video monitoring and live alert visualization.
- Built and integrated backend APIs using **Node.js**, **Express**, and **MongoDB** to manage user authentication, alert logs, and video analysis data.
- Collaborated with the AI team to connect frontend and backend components with machine learning endpoints for real-time data exchange.
- Implemented secure RESTful routes and optimized request handling to ensure smooth communication between services.

## react-echo-toast *Open Source (NPM Package)*

[NPM Link](#) | [GitHub Repo](#)

*A lightweight and customizable React toast notification library with sound alerts, animations, and theme support — built for modern React applications.*

- Developed and published an open-source **React + TypeScript** package that provides elegant and customizable toast notifications.
- Implemented multiple notification types (info, success, warning, error) with slide and fade animations and optional sound effects.
- Designed flexible APIs supporting custom duration, position, animation, and global audio settings for seamless integration.
- Styled using **Tailwind CSS** and **class-variance-authority (CVA)** for a clean, responsive, and accessible UI.

## TECHNICAL SKILLS

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**Languages:** JavaScript (ES6+), TypeScript, Python, Java, HTML5, CSS3

**Frameworks & Libraries:** React.js, Node.js, Express.js, Next.js, Redux, Tailwind CSS, Bootstrap, GSAP

**Databases:** MongoDB, Firebase, MySQL

**Design Tools:** Figma

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

## ACHIEVEMENTS

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- 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.