

# AbhiRam Reddy Vundhyala

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## EDUCATION

**SVKM's Narsee Monjee Institute of Management Studies, Hyderabad** Sep 2022 – Present  
*Bachelor of Technology in Computer Science and Engineering (Data Science) — Telangana, India*

## EXPERIENCE

**Mahabubnagar District Administration (MBNR VidyaEye)** Feb 2025 – Present  
*Technical Lead & Full-Stack Developer* Mahabubnagar, Telangana

- Designed and deployed a government-commissioned **Android + Web inspection system** that digitized hostel hygiene audits across **100+ institutions**, replacing manual workflows.
- Built a **Firebase-powered backend** and real-time analytics dashboard for **13 mandals**, reducing data-collection latency and report turnaround time by **60%**.
- Led a **4-member team** through agile sprints, ensuring scalable architecture, clean modular code, and seamless production rollout.

**Karvic IT Solutions** Jun 2025 – Jul 2025  
*Data Science Intern — Smart Attendance Management System (SAMS)* Remote

- Developed a **FastAPI backend** for an AI-driven attendance platform integrating **facial recognition** and a secure **SQL database** for real-time record synchronization.
- Implemented optimized **REST APIs** and **React** dashboards that generated live attendance insights, improving backend throughput by **30%**.

## PROJECTS

**YouTube Video Engagement Rate Prediction** | *Python, Machine Learning, NLP* Oct 2023  
– Developed a predictive analytics model leveraging the **YouTube API** and **ML algorithms** (Linear Regression, Random Forests, K-Means) with **NLP-based feature extraction** from titles and descriptions.

**HOMEFOODS Food Ordering Platform** | *AWS, Node.js, Firebase, HTML, CSS, JavaScript* Nov 2024  
– Engineered a scalable, serverless food ordering platform using **AWS (S3, CloudFront, Lambda, API Gateway)** and **Firebase (Auth, Firestore)** with secure authentication, dynamic menu management, cart workflow, admin inventory controls, and real-time data synchronization.

**AI-Powered Surya Namaskar Pose Detection Platform** | *React, TensorFlow, FastAPI, MongoDB* Oct 2025  
– Developed a real-time **Surya Namaskar pose recognition** system using **CNN-LSTM** and **MediaPipe Pose** with a **FastAPI backend**, **MongoDB**, and **React** frontend for personalized training and progress tracking.

**SV Travels Online Booking Platform** | *MERN Stack* Feb 2026  
– Built and deployed a MERN-based online booking platform with vehicle listings, enquiry management, WhatsApp/email integration, secure admin dashboard, REST APIs and custom domain deployment (**svtravels.online**).

## TECHNICAL SKILLS

**Programming & Frameworks:** C++, Python, Java, JavaScript, MongoDB, Express.js, React.js, Next.js, Node.js, FastAPI, Flask

**Databases & Tools:** MySQL, SQLite3, Firebase, Postman, Git/GitHub, VS Code, Android Studio, Power BI, Docker

**Others:** REST API, Machine Learning, OpenCV, AWS, Google Cloud, Excel, Canva

## LEADERSHIP & ACHIEVEMENTS

- IEEE Conference Publications: Real-Time Safety System for Highway Crossovers Using Vision-Based Detection and Early Warning Alerts, presented at **IIT Dharwad**.
- Participated in **national-level hackathons** including **IBM Z Datathon** and **Apoorv CTF**.

## CERTIFICATIONS

- AWS Academy Graduate – Cloud Architecting (AWS), Scrum Fundamentals Certified by SCRUMstudy
- AWS Cloud Foundations (AWS), Google Cloud Foundations (Google)
- Microsoft-LinkedIn Career Essentials in Data Analysis