

TARUN TEJA JOGU

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PROFESSIONAL SUMMARY

Recent Computer Science graduate with hands-on experience in workflow automation, n8n development, and AI system integration. Skilled in designing event-driven workflows, building automated processes with n8n nodes and triggers, and full-stack development using React, Next.js, and Python. Proven ability to create production-ready workflow automation solutions and integrate complex systems. Eager to contribute as a Workflow Developer and grow technical expertise in automation and low-code/no-code platforms.

EDUCATION

CMR College of Engineering & Technology

Bachelor of Technology in Computer Science & Engineering

Hyderabad, Telangana

July 2025

PROFESSIONAL EXPERIENCE

SWE1 (workflows | testing)

AlphaX

August 2025 – January 2026

6 Months

Project: Bookmore – AI-Driven Instagram DM Lead Generation & Booking System

- Designed and built event-driven workflows using n8n to automate lead capture, routing, and trigger-based actions for an AI-powered Instagram DM lead-generation product
- Implemented complex n8n workflows with HTTP nodes, webhook triggers, conditional logic nodes, and data transformation to handle end-to-end lead management
- Built automated sequences using n8n's scheduling nodes and delay functions for multi-stage lead nurturing and follow-up campaigns
- Created workflow automation covering user onboarding flows, lead qualification routing, booking confirmation triggers, and drop-off recovery sequences
- Configured n8n database nodes for lead storage, developed SQL queries for duplicate detection and data validation within workflows
- Integrated AI capabilities into n8n workflows using HTTP Request nodes to connect with local LLM setups via Ollama, including Meta LLaMA 3, for intelligent response generation
- Developed and executed Playwright-based automated tests to validate critical workflow execution paths and end-to-end automation behavior
- Built error handling and fallback mechanisms in n8n workflows to ensure graceful degradation and system reliability
- Documented workflow logic, node configurations, and data mappings for knowledge transfer and workflow maintenance
- Collaborated with product and engineering teams to translate business requirements into n8n workflow specifications and iteratively refined automation logic

TECHNICAL PROJECTS

Saarie – Full-Stack E-Commerce Web Application

October 2025

- Built scalable e-commerce platform using Next.js with TypeScript, featuring product browsing, cart management, and secure checkout with Stripe payment integration
- Implemented user authentication and session management using Supabase with role-based access control
- Engineered real-time shopping cart with custom React hooks and optimized state management for instant UI updates
- Designed responsive, mobile-first interface using Tailwind CSS achieving consistent UX across all devices

Bank Appointment Booking System with Smart Contracts

January 2025 – April 2025

- Developed blockchain-integrated web application using React, Node.js, and MongoDB Atlas
- Built smart contract functionality with MetaMask wallet integration, reducing booking time by 40 percent
- Created responsive UI with real-time notifications handling 100+ concurrent requests
- Implemented JWT-based authentication ensuring secure user data protection

Human Posture Detection System

Academic Project

- Developed real-time computer vision application using OpenCV and Python for health monitoring
- Achieved 95 percent classification accuracy across 10+ posture categories using pose estimation algorithms

- Optimized pipeline to process 30 frames per second with sub-100ms latency

Vehicle Classification & Detection System

Academic Project

- Built computer vision system for automated vehicle detection from traffic camera footage
- Achieved 85 percent precision in classifying 5 vehicle categories using OpenCV and machine learning

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, SQL, HTML5, CSS3

Frontend: Next.js, React.js, Tailwind CSS, Responsive Design

Backend & Databases: Node.js, Supabase, MongoDB Atlas, MySQL, RESTful APIs

Workflow & Automation: n8n (HTTP nodes, Webhooks, Triggers, Conditional Logic, Data Transformation, Scheduling), Playwright, Event-Driven Architecture, Workflow Design, Process Automation

AI & Integration: Ollama, Meta LLaMA 3, Local LLM Integration, API Integration, Webhook Development

Tools & Platforms: Git, GitHub, VS Code, Stripe, MetaMask, Web3.js, Vercel, npm, pnpm

Specializations: Workflow Automation, n8n Development, Full-Stack Development, E-Commerce, Blockchain Integration, Computer Vision (OpenCV), AI System Integration, Low-Code/No-Code Platforms