

BACHU NAGARAJU

AI Automation Engineer | AI Solutions Engineer

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PROFESSIONAL SUMMARY

AI Automation Engineer with experience building end-to-end AI applications, Retrieval-Augmented Generation (RAG) systems, AI agents, and workflow automation solutions. Developed AI-powered business automation platforms, multi-platform social media workflows for 11 clients, and intelligent assistants using Python, Next.js, n8n, and LLM APIs. Passionate about designing scalable AI solutions that improve business efficiency and automate complex workflows.

EDUCATION

B.Tech in Computer Science Engineering

Vidya Jyothi Institute of Technology, Hyderabad | CGPA: 7.95

2023 – 2026

Diploma in Computer Engineering

Jyothishmati Institute of Technology and Science

2020 – 2023

PROFESSIONAL EXPERIENCE

Prompt Engineer & AI Automation Developer — Next Page Technologies

Jul 2025 – Aug 2025

- Designed and deployed AI-powered social media automation workflows for 11 clients, reducing manual scheduling efforts by 70%.
- Integrated AI-generated content and image generation across major social platforms.
- Automated approval workflows, status tracking, and publishing pipelines using n8n, Make.com, APIs, and webhooks.
- Improved operational efficiency through scalable automation systems.

AI Workflow Orchestration Engineer — AdsGoat Digital Marketing

Sep 2025 – Nov 2025

- Developed an AI Website Assistant for lead qualification and visitor engagement.
- Built multi-LLM workflows, AI agents, and real-time automation pipelines for marketing operations.
- Implemented data scraping and business process automation systems.
- Designed scalable AI-powered solutions for internal teams and marketing workflows.

TECHNICAL SKILLS

AI & Automation: RAG Pipelines, Embeddings, Semantic Search, Prompt Engineering, AI Agents, Multi-LLM Workflows, n8n, Make.com, Workflow Automation

Programming & Development: Python, JavaScript, Next.js, Streamlit, Firebase, SQL

APIs & Integrations: REST APIs, Webhooks, OpenAI APIs, Bytez API, Sentence Transformers, Apify, Social Media APIs, WordPress APIs

Tools: Git, GitHub, Vercel, Firebase Authentication, Firestore, SQLite

PROJECTS

★ Enterprise RAG Questionnaire Assistant

- Built an AI-powered questionnaire automation platform using Retrieval-Augmented Generation (RAG) to answer structured business questionnaires from internal documents.
- Implemented semantic retrieval with Sentence Transformers and Bytez API, supporting citations, evidence snippets, authentication, and DOCX export.

AI Social Media Automation Platform

- Developed an AI-powered platform to automate content generation, approval workflows, scheduling, and multi-platform publishing.
- Integrated n8n, AI APIs, webhooks, and social media APIs to streamline marketing operations for multiple clients.

Smart Restaurant Ordering Platform

- Built a QR-based restaurant ordering and kitchen management system using Next.js and Firebase.
- Implemented real-time order tracking, digital billing, and multi-restaurant management with Firestore.

AI Website Assistant Platform

- Designed an AI assistant for customer support, visitor engagement, and lead qualification.
- Built real-time AI workflows and backend integrations for marketing and business automation.

AI Blog Generation & Publishing Platform

- Automated SEO-friendly blog generation using LLMs and AI image generation.
- Integrated WordPress APIs for automated publishing and content management.

LANGUAGES

English | Telugu | Hindi