BHARGAV K

AI Developer | Agentic AI Automation Specialist | Full-stack developer.

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Portfolio: https://bhargavcodes.com

GitHub: https://github.com/bhargav3929

PROFESSIONAL SUMMARY

AI Developer and Agentic AI Automation Specialist with close to 4 years of experience building production-ready AI systems, autonomous agents, and large-scale automation platforms. Strong Python-first background with hands-on expertise in LLM orchestration, Retrieval-Augmented Generation (RAG), and conversational AI systems used in real business environments.

- Built end-to-end AI automation systems used by real businesses and thousands of users
- Strong Python-based AI development using LangChain, LangGraph, and agentic workflows
- Specialized in AI automation (RAG, n8n, Make.com, Zapier, Prompt Engineering) reducing manual work by 60–80%
- Experienced in WhatsApp AI bots, AI recruitment systems, content intelligence, and AI-driven workflows
- Trained through Mission Learning in applied AI systems and real-world LLM deployment

Passionate about building practical AI solutions that automate operations, scale businesses, and replace repetitive human workflows.

PROFESSIONAL EXPERIENCE

AI Developer | Agentic AI Automation Specialist | Team Engineers | Mar 2023 – Present

- Designed and deployed multiple Python-based AI systems using OpenAI and Claude
- Built agentic AI workflows with LangChain and LangGraph for multi-step reasoning
- Implemented Retrieval-Augmented Generation pipelines using vector databases
- Developed conversational AI bots for WhatsApp and web platforms
- Automated complete business workflows including onboarding, content, and hiring
- Integrated AI systems with CRMs, job portals, and internal dashboards

- Reduced human dependency and manual operations by up to 80%

Full-Stack Developer | Weblerix | Jan 2022 – Mar 2023

- Built AI-powered chatbots for customer support and lead qualification
- Integrated GPT-based assistants into production web applications
- Developed REST and GraphQL APIs connecting AI services with databases
- Automated repetitive client operations using AI-driven workflows
- Reduced support costs by 60–80% through conversational automation
- Contributed to scaling the company to 50+ clients with high retention

RECENT PROJECTS

AI-Powered Content Research & Script Generation System (YouTube Automation)

- Built an agentic AI system to analyze YouTube for viral hooks and trends
- Extracted high-performing video structures and engagement patterns
- Generated personalized scripts tailored to each creator's style and niche
- Used LangChain, LangGraph, RAG, and prompt chaining for multi-step reasoning
- Automated transcription, analysis, and script generation workflows
- Helped creators save 10–15 hours per week on research and scripting

Auto Job Apply & AI Recruitment Automation System

- Built an end-to-end AI-driven job application automation platform
- Collected candidate data using conversational AI and resume parsing
- Automatically customized resumes and job applications at scale
- Triggered interview scheduling, emails, and follow-ups autonomously
- Eliminated manual job application effort completely
- There is a real chance this resume reached you through this automation

Redefine Canada – AI-Driven Student Community Automation

- Fully automated operations for a Canada-based international student community
- Built a WhatsApp AI chatbot for student interaction and onboarding
- Implemented AI-driven student registration and data capture workflows
- Developed student matching and segmentation systems
- Automated guidance, follow-ups, and support communication
- Enabled scalable growth without increasing human support staff

Human-Like AI Video Interview System

- Built an AI-powered video interview platform simulating a real human interviewer
- Collected candidate data and resumes before interview initiation
- Conducted dynamic interviews using LLM-driven conversation logic
- Integrated LiveKit for real-time AI-controlled video interactions
- Automated first-round interviews for hiring teams

- Reduced recruiter workload significantly

👉 **View complete portfolio: https://bhargavcodes.com/**

TECHNICAL SKILLS

AI & Machine Learning:
Python, LangChain, LangGraph, Retrieval-Augmented Generation (RAG), Prompt Engineering, Prompt Chaining, Agentic AI Systems, Conversational AI (Text, Voice, Video), Vector Databases (FAISS, Pinecone), LiveKit, OpenAI API, Claude API, OCR

Automation & Orchestration:
n8n, Make.com, Zapier, Webhooks, Event-Driven Workflows

Full-Stack Development: Next.js, React.js, Node.js, Express.js, TypeScript, PHP (Expert), JavaScript ES6+, MySQL, MongoDB, Firebase, REST & GraphQL APIs, Java (basic)

Frontend: HTML5, CSS3, Bootstrap, Tailwind CSS, Figma, Adobe Creative Suite

Frontend (Supporting Skills):
React.js, Next.js, HTML5, CSS3, Tailwind CSS

Dev Tools:
Git, GitHub, Postman, Cloudflare, cPanel, Agile Workflow

EDUCATION

Bachelor of Computer Applications (BCA) | CGPA: 8.0 / 10

Relevant Coursework: Artificial Intelligence & Machine Learning, Data Science, Python, Database Management Systems, Data Structures & Algorithms, Software Engineering, Java, Unix