

# PRANAV BABU

📍 Kochi, Kerala 📞 +919746732647 ✉ me.pranavbabu@gmail.com 🌐 pranav-babu-in  
📁 git-pranavbabu

## PROFILE

---

AI Engineer with hands-on experience designing and deploying production-grade AI automation solutions, agentic systems, and scalable backend applications. Skilled in Python, FastAPI, PostgreSQL, Docker, and modern AI frameworks, with experience delivering enterprise workflow automation, intelligent decision-support systems, and AI-powered business applications. Strong background in stakeholder collaboration, system architecture, and end-to-end solution delivery.

## EDUCATION

---

- B. Tech. in Computer Science and Engineering (KTU)** 2026 | Thrissur, Kerala  
*Sahrdaya College of Engineering & Technology | Autonomous*  
CGPA: 8.39
- Class XII (CBSE)** 2022 | Kottayam, Kerala  
*Good Shepherd Public School*  
Percentage: 91.2%

## SKILLS

---

### TECHNICAL SKILLS

- Languages: Python, SQL, JavaScript, Deluge
- AI Engineering & Agentic Systems: LangGraph, LangChain, LangSmith, OpenAI API, Google Gemini, Amazon Bedrock, RAG Systems, Prompt Engineering, AI Agents, MCP
- Backend & Cloud: FastAPI, REST APIs, PostgreSQL, Docker, AWS (Bedrock, SageMaker), Pydantic
- Data & Analytics: Pandas, NumPy, Scikit-Learn, Matplotlib
- Machine Learning: TensorFlow, Hugging Face Transformers, OpenCV, Computer Vision
- Development Practices: Git, GitHub, Postman, Agile Development, API Design, System Architecture

### SOFT SKILLS

Communication, Leadership, Adaptability, Teamwork

## PROFESSIONAL EXPERIENCE

---

**AI Automation Engineer** Feb 2026 – Present | Kochi, Kerala  
*Hykon India Limited*

### 1. Naukri AI Candidate Shortlisting Tool

- Noticed HR's candidate screening was fully manual and became a bottleneck during high-volume hiring; proposed and built a two-agent shortlisting tool now in daily use, saving ~54 hrs/month.
- Two-agent sequential design (fast model → deep reasoning model) for cost/token optimization
- JavaScript, Chrome Manifest V3, OpenAI API
- Impact: ~54 hrs/month HR time saved

### 2. AI Candidate Scoring — Zoho Recruit

- Deluge function generating AI review score + summary per candidate using Gemini API
- Impact: ~27 hrs/month saved, faster filtering of unsuitable profiles

### 3. BPAN Automation Web App

- Scoped and shipped a full production automation tool (React frontend, FastAPI backend)
- Built in 1 week using Claude Code and OpenCode
- Dockerized and deployed on an on-premise server, with a self-hosted runner set up for CI/CD
- Impact: ~180 hrs/month saved

### 4. Hykon Automation Hub

- Internal platform to discover/use all team-built AI tools
- Self-proposed idea, recognized by CMD as a key initiative
- Dockerized and deployed on an on-premise server
- Phase 2 planned: ERP middleware integration for intelligent operations and updates

## PROJECTS

---

### Evocode: AI-Powered Learning Ecosystem

- Developed an adaptive learning ecosystem using LangGraph to orchestrate LLM agents for generating personalized syllabi and mastery-based assessments.

- Engineered a high-performance backend using FastAPI and Google Firestore, integrated with a React frontend for a seamless user experience.

### **LinkedIn Post Generator**

- Architected an autonomous content generation agent using LangGraph and LangGraph Studio, featuring token-level tracing for latency optimization.
- Implemented an evaluator-orchestrator pattern to manage parallelized agents, ensuring high-quality, scalable content output.

## **COURSES**

---

### **AWS Certified AI Practitioner**

*Amazon Web Services (AWS)*

### **Agentic AI Bootcamp (LangGraph and LangChain)**

*KRISHAI Technologies Private Limited, Krish Naik*

## **ACHIEVEMENTS**

---

### **Buildathon - Secured 3rd Prize**

*IEEE*

- Developed a real-time Sign Language to Audio converter using TensorFlow and OpenCV, competing against 15+ teams.

### **Capture the Flag (CTF) - Secured 3rd Prize**

*IEEE & TinkerHub*

- Solved complex OSINT (Open Source Intelligence) and logic-based security challenges.