

Hemang Baldha

FullStack AI Engineer

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Summary

Full Stack AI Engineer with experience building and operating production-grade AI platforms end to end. Strong in backend engineering with Python and Node.js, containerized deployment with Docker, and cloud-native systems on AWS. Experienced in taking systems from prototype to production, designing microservices, instrumenting them, and improving reliability and performance under real user load. Owned platforms serving 100,000+ users, with a track record of leading technical direction and shipping systems that real users depend on.

Experience

Atlasml.ai April 2026 - Present

AI/ML Engineer - with experience building scalable AI platforms, including Natural Language-to-SQL pipelines (multiple databases), RAG-powered agentic workflows, and microservices architectures for enterprise-grade applications. Also building a multi-agent architecture with harness engineering.

Cybercom Creation Jan 2026 - April 2026

AI/ML Engineer - specializing in production-scale AI systems, with experience delivering intelligent solutions for Gujarat's live government real-estate platform (RERA). Expertise in RAG, Agentic AI workflows, and full ML lifecycle deployment. Architected a computer vision-based construction progress monitoring system to detect and track project timelines using image data.

Sampaarsh Technology Aug 2024 - October 2025

Full Stack Engineer - Developed scalable web applications using React (Vite), Node.js, and MySQL with Agile/Scrum development environment. Implemented CI/CD pipelines and managed cloud deployments using PM2. Contributed to the diamond cutting machine, enhancing operational efficiency and precision

Darshan University Dec 2023 - July 2024

Teaching Assistant (during graduation) - Instructed and mentored 500+ students across a wide range of computer science and engineering subjects, including Web Technologies, Data Structures, Computer Networks, Machine Learning, Algorithms, Deep Learning, and Graph Theory, delivering both theoretical concepts and practical, hands-on learning experiences.

Skills

Soft Skills

Leadership, Problem Solving, Critical Thinking, Communication, Collaboration, Adaptability

AI & Machin Learning

LLMs, RAG, Fine Tuning, Agentic AI, Prompt Engineering, NLP, Text-to-SQL, Embeddings, Semantic Search

Libraries/Frameworks

LangChain, LangGraph, PyTorch, Transformers, SentenceTransformers, Scikit-learn, Pandas, NumPy

Programming Languages

Python, TypeScript, JavaScript, Java, C

Frontend & Backend

React.js, Next.js, Node.js, Express.js, FastAPI, REST APIs, WebSockets

Databases, Cloud & Tools

PostgreSQL, MongoDB, MySQL, Pinecone, ChromaDB, FAISS, Neo4j, Docker, AWS, GCP, Kaggle, Colab, Git, GitHub, Jenkins, CI/CD, n8n

Profiles

 LinkedIn

[hemang-baldha-b75a0b257](#)

 Github

[hemang9705](#)

 Medium

[hemang9705](#)

 Google Cloud

[Google Cloud Boost](#)

Projects

Multi-Tenant AI Analytics & Agentic Platform	FastAPI · CrewAI · gRPC · Docker
•Designed an enterprise-grademulti-agent AI platform orchestrating SQL generation, validation, query healing, retrieval, QA, authorization, and summarization agents with secure tenant isolation. •Built an NL-to-SQL engine supporting PostgreSQL, MySQL, MSSQL, and Snowflake, enabling natural-language analytics with LLMdriven SQL validation and self-healing. •Developed schema indexing and semantic search pipelines using OpenAI embeddings, ChromaDB, and Redis caching, supporting dynamic multi-tenant database onboarding.	

Document AI for Invoice & Receipt Processing	Qwen2.5-VL · LoRA · PyTorch
•Qwen2.5-VL(8B) using LoRA to extract structured information from invoices, receipts, and handwritten financial documents with 97%+ extraction accuracy. •Built automated document understanding pipelines to identify vendor details, invoice numbers, taxes, line items, totals, and payment information. •Curated and preprocessed large-scale financial document datasets using image enhancement and augmentation techniques to improve model robustness.	

RAJWADI POSHAK	Nextjs · Python · Vercel · MongoDB
•Won 1st place in the Build & Brand Challenge Hackathon by developing a full-featured fashion eCommerce platform. •Built a scalable platform with 400+ products, secure payment integration, and a comprehensive admin dashboard. •Developed an AI-powered recommendation engine using Convolutional Neural Networks (CNNs) to deliver personalized shopping experiences.	

ALIVEICON	Typescript · Framer-motion · NPM
•Developed Alivelcons, a customizable animated icon library for modern web applications. •Built with Framer Motion, supporting seamless integration with React, Next.js, Vite, and other frontend frameworks. •Implemented a comprehensive Jest test suite with 88% code coverage, ensuring reliability, stability, and maintainability.	

Education

Darshan University	CPI - 8.85
B. Tech. - CSE	
Ambica Vidhyalaya	PR - 92.88
Higher Secondary	
Sarvodaya International School	PR - 98.32
Secondary	

Awards and Certifications

Winner Of National Level Hackathon (1st Prize)	2024	Grand Winner of Build & Brand Challenge Hackathon	2025
Retrieval-Augmented Generation by deeplearning.ai	2025	Google Generative AI	2024
Star Cyber Secure User	2024	Institute Of Advance Network Technology	2024

Open Source

lucide-animated	Developed motion animations and UI enhancements, contributing to feature development, performance optimization, and bug fixes in collaboration with cross-functional teams.
Localsend	Implemented multilingual support for Gujarati and Hindi, while enhancing the user interface across multiple approved features