

Heet Dobariya

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PROFILE

Computer Science graduate building production AI systems with Python, FastAPI, LLMs, RAG and vector DBs.

EDUCATION

Pandit Deendayal Energy University

Bachelor of Technology in Computer Science, Minor in Internet of Things | **CGPA: 9.48**

Gandhinagar, Gujarat

Sep. 2022 – May 2026

TECHNICAL SKILLS

Languages: Python, C, C++, SQL, Java, HTML, CSS, JavaScript, TypeScript

AI/ML: ML, Deep Learning, NLP, RAG, Prompt Engineering, Transformers, BERT, Scikit-learn, TensorFlow, Keras

Backend & Databases: FastAPI, PostgreSQL, MongoDB, Pinecone, Qdrant, Neo4j

Tools & Cloud: Git/GitHub, AWS, Azure **IoT:** ESP32, Arduino, Edge Impulse

EXPERIENCE

Founding Engineer

Serin Labs

Sep 2026 – Present

Ahmedabad, Gujarat

- Building core Serin AI features as part of the founding team, shipping fixes and platform improvements.
- Developed Serin MCP integrations and led platform-wide QC to catch bugs, edge cases and usability issues.

Jr. Software Engineer

Groweex AI Solutions LLP

Jan 2026 – Jul 2026

Ahmedabad, Gujarat

- Developed Python/FastAPI backend features for **Ojavix**, a RAG-based AI therapist chatbot.
- Built the knowledge base from PDF/TXT files via Azure Document Intelligence, indexed in Pinecone and Neo4j.
- Developed therapy workflows combining vector/graph retrieval with short- and long-term user memory.

Data Science Intern

Blink Analytics

Feb 2025 – Jan 2026

Ahmedabad, Gujarat

- Curated domain-specific datasets to fine-tune LLMs with SFT and RLHF, improving accuracy and relevance.
- Evaluated and debugged LLM outputs in production using custom benchmarks and interpretability tools.

PROJECTS

QSkim - Govt. Scheme Discovery Platform | RAG, BGE-M3, Qdrant, FastAPI, Next.js, Groq, Sarvam | [GitHub Link](#)

- Built a full-stack platform to discover Indian govt. schemes using hybrid RAG with BGE-M3 and Qdrant.
- Added metadata-based eligibility matching, with multilingual voice (Sarvam) and WhatsApp (Twilio) access.

IoT Fire Detection & Pump Control System | ESP32-CAM, Edge Impulse, TinyML, DHT11, MQ-2 | [GitHub Link](#)

- Built on-device fire detection on an ESP32-CAM with a TinyML model trained on a custom 176-image dataset.
- Triggers a buzzer and a relay-driven water pump on detection, with DHT11 and MQ-2 monitoring heat and gas.

TalentLens - Resume Ranking System | BERT, SpaCy, Regression Models, Flask, MongoDB | [GitHub Link](#)

- Built an app ranking resumes against job descriptions using SpaCy skill extraction and BERT embeddings.
- Scored relevancy with Gradient Boosting, Random Forest, Ridge and SVR models on a Flask + MongoDB backend.

Scholaris - Assignment Evaluator | Flask, MongoDB, Groq API | [GitHub Link](#)

- Built a Flask + MongoDB app where teachers create and grade assignments, with TXT/PDF/DOCX parsing.
- Used the Groq API to generate viva questions from each submitted file for teachers to assess students.

CERTIFICATIONS

GATE – Data Science and AI (DA) | AIR: 3876, Score: 432

March 2025

The Complete Neural Networks Bootcamp: Theory, Applications (Udemy)

April 2026

Foundations of Agents (Hugging Face)

May 2025

Advanced Learning Algorithms (Stanford Online)

April 2024

Supervised Machine Learning (Stanford Online)

March 2024