

Dhruvin Vaghasiya

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SUMMARY

AI/ML engineer and third-year Computer Engineering student (CGPA 8.48) at CHARUSAT with hands-on experience building Retrieval-Augmented Generation (RAG) pipelines, Large Language Model (LLM) integrations, and applied machine learning systems for production. Shipped AI pipeline features for a live borrower-protection platform at Evodart, built a documentation assistant with pgvector retrieval and Qwen inference, and contributed 5 merged pull requests to an open-source AI governance platform.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C, C++, Java, SQL (PostgreSQL, Oracle), HTML/CSS

AI & Machine Learning: Retrieval-Augmented Generation (RAG), Large Language Model (LLM) Integration, Prompt Engineering, Natural Language Processing (NLP), Machine Learning, Hugging Face, sentence-transformers, Scikit-learn, pgvector, YOLOv8, ONNX, TensorRT

Platforms & APIs: OpenRouter, AWS Bedrock, Hugging Face Inference API, Open-source Models (Qwen 2.5)

Frameworks: Django, Django REST Framework, FastAPI, Node.js, Express.js, React.js, Streamlit

Data & Cloud: PostgreSQL, MongoDB, Redis, Docker, Vercel, DigitalOcean

EXPERIENCE

AI Engineer Intern

Evodart – BeAwareOfBanks

May 2026 – Jun 2026

Gujarat, India

- Strengthened retrieval precision of RAG pipelines processing 40–80 page loan agreements by refining context-window selection and clause extraction strategies for BeAwareOfBanks, a borrower-protection platform live in beta at beawareofbanks.com
- Hardened the LLM integration layer with model-security safeguards and resolved production defects alongside the Evodart product team, coordinating delivery through ClickUp

Backend Developer (Grand Finalist)

NeuroX Hackathon, Master's Union CDS Campus

Jun 2026

Gurugram, India

- Designed the AI scanning architecture for CodeArmor, orchestrating 11 parallel agents across 40+ vulnerability categories and routing results through an ArmorClaw validation filter that suppresses false positives before developers see them
- Delivered a risk-scoring pipeline in a 10-day MVP sprint, integrating AI agent outputs into both a VS Code extension and a web dashboard for team-wide vulnerability tracking

Open Source Contributor

AegisAI – GitHub

May 2026

Remote

- Merged 5 pull requests into AegisAI, an open-source AI governance, risk, and compliance (AI-GRC) platform built on React, TypeScript, FastAPI, and PostgreSQL, improving frontend components and user-experience flows through the maintainer's review process

PROJECTS

Clara – Documentation Assistant | *Django, DRF, PostgreSQL, pgvector, React, Qwen 2.5-7B, Hugging Face, Redis* 2025 – 2026

- Architected a RAG pipeline with intent detection, cosine-similarity retrieval from pgvector, and grounded generation through Qwen 2.5-7B-Instruct, producing source-cited answers from official documentation
- Scaled from 2 indexed languages to any documentation source by building an admin web crawler that strips, embeds, and stores vectors in PostgreSQL automatically

AI Product Content Generator | *Node.js, Hugging Face Inference API, Qwen 2.5-14B-Instruct, Zod, Jest* 2025 – 2026

- Built a framework-agnostic Node.js library generating SEO product content through a prompt pipeline with response quality scoring, Zod validation, and exponential-backoff retries for API resilience
- Validated critical paths with a full Jest test suite, packaging the tool as a reusable library for catalog-scale content generation across projects

Movie Recommender System | *Python, Streamlit, Pandas, NumPy, Scikit-learn, NLTK* Sep 2025 – Oct 2025

- Implemented Euclidean-distance similarity from the underlying mathematics alongside existing cosine scoring, enabling comparative analysis of recommendation rankings over the TMDB 5,000 dataset
- Preprocessed movie metadata through NLTK stemming and bag-of-words vectorization over cast, genre, keyword, and production-company tags with precomputed similarity matrices

EDUCATION

B.Tech in Computer Engineering 2024 – Present
Chandubhai S. Patel Institute of Technology (CSPIT), CHARUSAT University Gujarat, India

- CGPA: **8.48** | First-year **top ranker** with **2 Top Ranker awards** (CHARUSAT University and Devang Mehta Foundation Trust)

12th Standard, Science 2024
Ashadeep IIT Gujarat, India

- Percentile: **91.52** | GUJCET: **89.33** | JEE: **92.74**

10th Standard 2022
Ashadeep Vidhyalay 1 Gujarat, India

- Completed with **92.91 percentile**

ACHIEVEMENTS

- Shipped LLM and RAG features for BeAwareOfBanks (beawareofbanks.com), a live beta product, during AI Engineer internship at Evodart
- Qualified as **Grand Finalist** at NeuroX Hackathon 2026; placed **Top 250** out of 19,000+ teams at Odoo X 2025; secured **3rd place** at HackTrack 2026
- Solved **217 LeetCode** problems; earned HackerRank badges in Problem Solving, C++, C, and 30 Days of Code