

UTPAL TANK

Preferred Position : AI DEVELOPER INTERN • PYTHON DEVELOPER INTERN

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PROFILE

Diploma in Information Technology student focused on AI engineering, Python, LLM applications, Retrieval-Augmented Generation (RAG), and AI agents. Currently learning and building practical AI systems across research assistance, AI-powered applications, personalized finance, and local task automation. Quick learner with an adaptable mindset, strong self-learning ability, and a practical problem-solving approach, seeking industry exposure through an AI-focused internship.

SELECTED AI PROJECTS

Whether Agent — GITHUB PROJECT

Python · AI Agents · Groq API · OpenAI Agents SDK · Weather API · Gmail SMTP

- Built an AI-powered weather and email agent using a Python agent workflow.
- Integrated a weather tool to retrieve current weather information based on user requests.
- Implemented Gmail SMTP automation to generate and send weather reports by email.
- Connected a Groq-hosted LLM through an OpenAI-compatible API with tool-based task execution.

Research RAG — CURRENTLY IN DEVELOPMENT

Python · RAG · LLM · Embeddings · Vector Databases

- Developing a research-focused Retrieval-Augmented Generation application for document-based question answering.
- Working on document processing, chunking, embeddings, and vector retrieval.
- Improving retrieval quality and contextual response relevance through iterative testing.

Next Step AI — CURRENTLY IN DEVELOPMENT

Flutter · AI / LLM · AI-assisted Development

- Developing a Flutter-based AI admission application assistant using AI-assisted development.
- Applying AI to verify application information and flag errors for correction.
- Aiming to reduce manual mistakes in the admission application workflow.

Cosmos AI — CURRENTLY IN DEVELOPMENT

Java · AI · Personal Finance

- Building a personal finance and financial-literacy application in Java.
- Exploring AI-assisted insights for a personalized financial-tracking experience.

Local AI Agents — CURRENTLY IN DEVELOPMENT

Python · LLMs · AI Agents · Automation

- Building local AI agents to automate repetitive workflows such as email drafting, weather reports, notifications, and document summaries.
- Exploring reusable agent-based workflows for assignment, practical-work, and other recurring tasks.

EDUCATION

Diploma in Information Technology

Dr. S. & S.S. Gandhi College of Engineering and Technology, Surat
2024 – 2027 | 5th Semester | CGPA: 8.96 / 10

8.96 / 10

CGPA

93.8%

SSC

AI + LLM

PRIMARY FOCUS

5th Sem

DIPLOMA IT

KEY STRENGTHS

- Quick learner with strong self-learning ability
- Adaptable to new tools and technologies
- Practical, problem-solving mindset
- Eager to learn from experienced professionals
- Motivated to contribute to real-world AI projects

TECHNICAL SKILLS

Programming: Python, Java, SQL, DSA with Python (Basic)

AI / LLM: Artificial Intelligence, Generative AI, LLMs, NLP Fundamentals, RAG, AI Agents, Agentic AI, Tool Calling, AI Application Development

Prompt Engineering: Prompt Structure, Zero-shot, Few-shot, Role-based, Instruction Prompting, Prompt Chaining, ReAct Prompting, Prompt Testing & Evaluation

LLM / AI APIs: Groq API, ChatGPT API, Claude API, OpenAI-compatible APIs, AI API Integration

Machine Learning / Data: ML Fundamentals, Data Cleaning, Data Preprocessing, Data Extraction, Model Training, Testing & Evaluation, Optimization

Python / ML Libraries: NumPy, Scikit-learn, Matplotlib

AI / ML Tools: Hugging Face Transformers, Ollama, Kaggle, Google Colab

Frameworks / Backend: FastAPI (Basic), LangChain (Learning)

Databases: SQL, DBMS, Vector Databases (Basic), Firebase (Basic)

Dev Tools: Git, GitHub, Docker (Learning)

CS Fundamentals: Operating Systems (Basic), Computer Networking, Hardware-level Networking, Basic Troubleshooting

CERTIFICATION

SQL (Basic) — HackerRank

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INTERNSHIP OBJECTIVE

Highly motivated to begin my professional journey as an AI Developer Intern, learn from experienced professionals, gain real-world industry experience, and contribute to practical AI solutions. Adaptable to new technologies and committed to bringing full potential, dedication, and problem-solving ability to every responsibility, while continuously learning and improving. My goal is to create meaningful value for the organization while building a strong foundation for a career in AI Engineering.

LANGUAGES

Gujarati, Hindi, English