DIPESH PATRO

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PROFESSIONAL SUMMARY

Motivated Computer Science undergraduate with solid experience in Python programming and hands-on exposure to generative AI projects. Adept at writing clean, efficient code and utilizing cutting-edge AI tools and models to solve real-world problems. Passionate about learning, collaborating, and contributing to innovative technical environments.

SKILLS

Python, NumPy, MySql, LangChain, TextBlob, Spacy, NLTK, HTML, CSS, Git	Skillful
FastAPI, Pandas, TensorFlow, Django, Excel	Beginner

WORK EXPERIENCE

Internship

FRONTEND DEVELOPMENT INTERN AT PRAKRIKA TECHNOLOGY, Bhubaneswar, Odisha — May 2024 - Jul 2024

Developed a system leveraging geo-fencing technology to enhance employee safety. Implemented real-time location tracking and automated alerts to notify managers when employees enter or exit designated zones.

EDUCATION

B.Tech in Computer Science(Data Science) — CGPA: 7.81
GITA Autonomous College, Bhubaneswar, Odisha — Sep 2021 - May 2025

12th - Science — Percentage: 80
D.A.V Public School, Brahmapur, Odisha — Jun 2020 - Jun 2021

10th — Percentage: 88
D.A.V Public School, Brahmapur, Odisha — Jun 2018 - Jun 2019

PROJECTS

Text-to-SQL LLM App – Python, Streamlit & Google Gemini

Developed an end-to-end natural-language-to-SQL application using Google Gemini and Python. The app enables non-technical users to input plain-language questions and retrieve structured database results through auto-generated SQL queries

Text Summarization Tool – Python, LangChain

Designed and implemented a flexible text summarization tool that explores multiple strategies—including keyword-based, extractive, and abstractive methods—by leveraging LangChain to orchestrate LLM workflows.

LinkedIn Post Generator Tool – Llama 3.2, LangChain & Streamlit

Built a Generative AI tool that converts user inputs into polished LinkedIn posts using Llama 3.2, showcasing capabilities in prompt engineering, UI development, and full-stack integration.

Student Management System with MySQL using Python

Student record system using Python and MySQL to perform CRUD operations. Implemented features such as adding, updating, searching, and deleting student records securely using parameterized queries.

PROFESSIONAL ASSOCIATIONS

Head, Networking Club | GITA Autonomous College | 2024

Best Community Volunteer, NxtWave Technologies | 2023