

Dev Prasad Narayan Patra

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💻 [Portfolio](#)

Projects

InsightLens – Natural Language Cross-Platform Data Query RAG Agent

June 2025 – Present

Technologies Used: React (Vite), Material-UI, Chart.js, FastAPI, LangChain, OpenRouter, MongoDB, MySQL

- Developed a full-stack business intelligence platform enabling users to query MongoDB and MySQL databases using plain English.
- Implemented advanced **RAG (Retrieval-Augmented Generation)** with LangChain to route and process natural language queries.
- Integrated Chart.js for dynamic chart generation and Material-UI for a responsive, professional UI.
- Built robust backend with FastAPI and connected to OpenRouter LLM API for intelligent query understanding.
- GitHub Link: <https://github.com/devp128/insightLens>

DevAI – AI-Powered Image Generation Website

January 2025

Technologies Used: React, Node.js, Express, MongoDB, Hugging Face AI

- Built a user-friendly platform using the MERN stack, allowing users to generate, post, and download AI-generated images.
- Integrated Hugging Face AI models to transform user prompts into unique visuals.
- Developed a secure backend with Node.js and Express.js, and a responsive frontend using React for seamless user interaction.
- Enabled community engagement by adding features to post and share generated images on the homepage.
- GitHub Link: <https://github.com/devp128/DevAI>

Certifications

Generative AI with Large Language Models

September 2024

DeepLearning.AI <https://coursera.org/verify/PEP88ZD5EHGN>

Full Stack Development using MERN stack

August 2024

Cipher Schools <https://www.cipherschools.com/certificate>

Mastering Data Structures & Algorithms using C and C++

May 2024

Udemy <https://www.udemy.com/certificate/UC-3132c8deb58a/>

Technical Skills

Languages C++, Java, Python, JavaScript, C

Technologies/Frameworks: MongoDB, SQL, Express, React.js, Redux Toolkit, Node.js, Git, GitHub

Skills: Data Structures & Algorithms, Problem-Solving, Responsive Web Design, REST APIs, Version Control, API Integration

Achievements

Qualified for Smart India Hackathon 2024:

Ranked in the top 30 among 500+ teams by excelling through rigorous internal selection rounds, demonstrating problem-solving, strategic execution, and teamwork

Education

Lovely Professional University Punjab

2022 – Present

Computer Science and Engineering — CGPA: 7.96

Phagwara, Punjab

Rishi Public School

2021 – 2022

12th with Science — Percentage: 90.00%

Gurugram, Haryana