

DEEPAK

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LinkedIn

Portfolio

Education

National Institute of Technology, Kurukshetra

B. Tech in Computer Engineering (CGPA of 8.14/10)

Kurukshetra, Haryana

December 2021 - May 2025

School of Excellence, Dwarka Sec 22

Central Board of Secondary Education (Percentage : 95.2)

West Delhi, Delhi

2019 - 2020

Experience

Americana Restaurants

Data Engineer Intern

Jan 2025 - June 2025

Generative AI

Sales Deep Analyzer | GPT-4o, Azure AI Search, JavaScript (Node.js), Python, SQL Server, MongoDB, Plotly.js, HTML, CSS

- Led the development of a GPT-4o-powered chatbot that uses prompt engineering to generate dynamic SQL queries from natural language, eliminating the need for SQL/Excel knowledge among sales users.
- Engineered an end-to-end AI analytics pipeline using GPT-4o, Azure AI Search, and Plotly.js to generate dynamic pivot tables, dashboards (KPIs, trends, YoY comparisons), and interactive visualizations from live SQL Server data.
- Built self-service data tools including Excel-to-insight AI, query history (Lambda DB), voice input, and CSV export, improving decision-making speed by 80% for business teams.
- Offered Full Time Offer (PPO) based on performance and delivery of business impact.

Projects

WanderTribe - Travel Companion Platform | React, TypeScript, Tailwind CSS, Supabase, PostgreSQL [Source Code](#) | [Live Demo](#)

- Built a comprehensive travel platform using React + TypeScript + Supabase, featuring real-time trip discovery with interactive maps, clustering algorithms, and earth-tone responsive design across all devices.
- Implemented advanced join request approval system, real-time chat with emoji reactions, and AI-powered trip recommendations, enabling seamless traveler connections and community engagement with secure authentication.
- Engineered secure user authentication with RLS policies, photo-rich review system, smart bookmarking, and responsive design optimized for cross-platform compatibility and performance.

Food Point | Python, scikit-learn, NumPy, Pandas, FastAPI, Streamlit, Docker, KNN

[Source Code](#) | [Live Demo](#)

- Developed a personalized diet recommendation system achieving 94% accuracy with K-Nearest Neighbors (KNN).
- Built a streamlined API backend using FastAPI and a user-friendly frontend with Streamlit.
- Deployed application on Docker, optimizing for scalability and ease of integration.

QueryPDF | Python, NumPy, Pandas, FastAPI, Streamlit, Docker, FAISS, T5

[Source Code](#) | [Live Demo](#)

- Developed an AI chatbot to answer questions by extracting and interpreting information from PDF documents.
- Fine-tuned a Hugging Face model with Langchain and FAISS for efficient information retrieval using NLP techniques.
- Deployed the chatbot using Streamlit with a well-designed UI/UX interface for seamless user interaction.

Achievements / Volunteer Experience / Extracurricular

- Achieved Global Rank 31, 201 on Codechef and Codeforces weekly contests.
- 4 Star at Codechef MaxRating: 1806, Knight at LeetCode MaxRating: 1805, Specialist at CodeForces MaxRating: 1665
- Solved 1500+ DSA and Competitive Programming problems on various platforms.
- Selected from over 90,000 applicants for the prestigious Amazon ML School 2024 program.
- Ranked in the top 5% of Kaggle's Data Science Bowl by improving prediction accuracy by 15% with a deep learning model using TensorFlow.
- Organized a blood donation camp with over 350 donors.
- Held a leadership position in Rooh Society, facilitating financial assistance to economically disadvantaged students.

Profile Links

- Codeforces
- Codechef
- LeetCode
- Kaggle
- GitHub

Technical Skills

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

Developer Tools: Visual Studio Code, Git—GitHub, Google Colab, Jupyter Notebook, Supabase, Vercel

Technologies/Frameworks: React, Next.js, Node.js, MongoDB, Docker, FastAPI

Machine Learning: Advanced Machine Learning Algorithms, Deep Learning, CNN, Sequence Time Series Prediction, Prompt Engineering

Packages: Python (Pandas, NumPy, Scikit-learn, Seaborn, TensorFlow, Keras, FAISS, Hugging Face Transformers, Streamlit)

Certificates

- Introduction to C++
- DSA in C++
- Advanced Machine Learning
- Deep Learning
- TensorFlow