

Jivisha Gaur

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EDUCATION

Jk LakshmiPat University

Bachelor of Technology in Computer Science, Minor in Mathematics

Jaipur

Aug. 2021 – May 2025

Green Valley Public School

10th - 12th Grade

Bhilwara

2019 - 2021

PROJECTS

GPT Prototype | Python, Pytorch, Tensorflow, Transformers

February 2024 – March 2024

- Designed and implemented a decoder-only language model to demonstrate the core architecture and functionality of GPT.
- Takes a text input and generates text in the output.
- Utilized PyTorch to develop and train the model, leveraging its flexibility for custom architecture design and optimization.
- Shared my experience of implementing a language model on YouTube ([Link](#))

SSO Authentication | Golang, PostgreSQL, Keycloak, Docker, Redis

November 2024 – Present 2024

- Designed and implemented an authentication service using Microsoft Entra ID and Keycloak as an identity broker to facilitate secure Single Sign-On (SSO) functionality.
- Managed the backend integration with PostgreSQL to store and retrieve user session data, ensuring scalability and data integrity.
- Implemented a robust session manager to handle user sessions and authentication flows, maintaining seamless user experience and security.
- Collaborated with a team to write clean, efficient, and well-documented code, delivering a production-ready solution with a React/Angular-based front-end.

CampusBot | Botpress, Prompt Engineering, Bot Architecture Design

September 2024 – Present 2024

- Developed a sophisticated AI chatbot using BotPress to provide tailored responses for both professionals and students, leveraging distinct communication styles for each user type.
- Integrated advanced knowledge base covering AI concepts.
- Incorporated real-time query resolution and contextual AI prompts, allowing the bot to adapt responses based on user expertise.
- Implemented NLP techniques for intelligent query handling, ensuring accurate answers to user questions.

EXPERIENCE

Deep Learning Intern

June 2024 – August 2024

IIIT DHARWAD

Dharwad, Karnataka

- As an intern in this project, I developed a solution for energy theft detection.
- Applied deep learning algorithm, “Wide and deep CNN” and “Transfer learning based GCN” to real-world problems in the energy sector.
- Collection and preprocessing of energy consumption data, Implemented and deployed deep learning techniques for energy theft detection, Fine-tuning the deep learning model’s parameters and architectures, Evaluation and validation of the model’s performance.

Research Intern

June 2023 – August 2023

LNMIIT

Jaipur, Rajasthan

- Thorough research on the book “Graph and Matrices” by R. B. Bapat.
- Significant emphasis on matrix and graphs techniques.
- In-depth treatment of essential matrices related to graphs like incidence, adjacency, and Laplacian matrices.

TECHNICAL SKILLS

Languages: Python, C++, Golang

Frameworks: TensorFlow, Pytorch, AWS, Langchain, Hugging Face

Developer Tools: Git, Docker, Visual Studio, BotPress

Technical Expertise: Machine Learning, Artificial Intelligence, Neural Networks, Deep Learning, AI regulations, Large Language Models, Natural Language Processing, Computer Vision