Shilpi Shukla

Software Developer
Computer Science and Engineering(Artificial Intelligence)
Swami Keshvanand Institute of Technology,Jaipur

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GitHub Profile
LinkedIn Profile
Personal Portfolio

EDUCATION

•B.Tech in Computer Science with Artificial Intelligence ***2020-2024***
Swami Keshvanad Institute of Technology, Jaipur CGPA: 8.80

•Higher Secondary ***2019-2020***
Jaipuria Vidyalaya, Jaipur Percentage: 81.80

•Senior Secondary ***2017-2018***
Jaipuria Vidyalaya, Jaipur Percentage: 81.20

Experience

• INZINT PVT LTD *Feb 2024 - Present*

AI/ML Trainee Developer

- Underwent extensive training in machine learning, deep learning, and GenAI (Transformers), building 4+ projects from scratch and gaining hands-on experience with various large language models.
- Proficiency in 30+ AWS services and utilized complex frameworks to build software applications.
- Directed the development of an AI-driven legal advice and response automation system, which decreased manual intervention by 40% and improved response accuracy by 20%

• Upskill Campus *June2023–July 2023*

DS and ML Intern

- Utilized machine learning regression algorithms to forecast real estate trends, built with Flask, HTML, and CSS, enhancing data-driven decision-making.
- Executed data loading, cleaning, outlier detection, feature engineering, dimensionality reduction, and hyperparameter tuning with GridSearchCV and k-fold cross-validation.
- Participated in daily stand-ups, code reviews, and team meetings to align development efforts with project goals.

Projects

• LEGAL AI BOT

A context-driven Law Consultancy chat support powered by LLMs leveraging RAG

- Developed an AI Legal Consultancy Bot that assists users with legal queries, which also allows users to upload their own PDFs data for AI-driven consultation.
- Enhanced user experience by integrating a feature for situational legal questions, providing accurate legal advice with relevant IPC sections. Successfully handled over 1,000 user queries, reducing consultation time by 60%.
- Technology Used: Python-Flask, LangChain/LlamaIndex, vectorDB's, LLaMA3/Mistral, ReactJs, AWS.

• Parkinson Disease Detection System

Developed a Genetic Algorithm and heuristic techniques based Detection system with 87% accuracy.

- Utilized Genetic Algorithm-optimized heuristics derived from a dataset to evaluate the extracted features and predict the likelihood of Parkinson's disease.
- Contributed to early diagnosis and improved patient care through accurate predictions.Development Environment: Google Colab and Microsoft Visual Studio Code.
- Technology Used: Python, Flask, HTML, CSS, JavaScript, numpy, pandas, scipy, sklearn, deap, parselmouth, zaf, librosa.

• Online learning platform

Developed a comprehensive MERN stack project for managing online courses.

- Created a course listing page and a detailed course content page with enrollment functionality.
- Developed API with CRUD operations for managing courses, including fetching all courses and enrolling in a course.
- Integrated backend endpoints with the frontend for seamless data flow and user interaction.
- Utilized MongoDB, Express.js, React, and Node.js to ensure efficient and scalable application performance.

Technical Skills and Interests

Languages: C, C++, Python, Javascript
Libraries : Transformers, Keras, Pandas, scikit-learn, Matplotlib, OpenCV, React.js
Development-Tools: AWS, Git/GitHub, VS Code
Frameworks: Flask, Express, PyTorch, LangChain, LlamaIndex
Databases: Relational Database(MySQL),MongoDB
Relevent Coursework: Data Structures & Algorithms, Object Oriented Programming, Database Management System
Soft Skills: Self-learning, Presentation, Adaptability, Communication,Observer,Emotional Intelligence,Leadership,Teamwork