KUSHAL RANA

E-12 Prem Gali East Babarpur, Shahdara, Delhi-110032

📞 +918851618945 | ✉ kushalrana448@gmail.com | 🔗 linkedin.com/in/kushal-rana/ | ⓞ github.com/kushalranaAI

WORK EXPERIENCE

Mind2Web LLP. **March. 2024 – Present**
Associate AI Developer *Mohali, Punjab*

- Led the development of an AI-powered and context-aware chatbot for a dropshipping e-commerce platform using OpenAI API, enhancing client interaction by delivering detailed product, order, and store insights.
- Designed and implemented a system to export data to Excel and stored SQL-generated conversation logs in MongoDB for future LLM fine-tuning, optimizing cost efficiency, and enabling advanced data analytics.
- **Technologies used: Python, NLP, FastAPI, Langchain, Redis, MySQL, MongoDB, Dokcerization, DigitalOcean, VS code, Linux, Git.**

PROJECT

GPT Powered AI Chatbot | *(Link to Demo)*

- Developed an AI-powered web application integrating two distinct chatbots for specialized domains, enhancing user interaction through context awareness and advanced natural language processing capabilities.
- Implemented a medical chatbot using the RAG framework and LangChain, leveraging a vector database for efficient retrieval from medical literature, deployed using Flask and Docker for scalable deployment on Render.
- **Technologies used: Python, FastAPI, Langchain, vector database, Dokcerization, NLP, LLM, Render, Git.**

End to End Recommendation System | *(Link to Demo)*

- Developed a cutting-edge content-based recommendation system by harnessing Python and advanced machine learning methodologies. This system offered tailored suggestions for images and posts, enhancing user engagement and satisfaction.
- Implemented a scalable API integration solution with FastAPI, supported by Render Cloud for robust scalability, and managed data storage through MongoDB.
- **Technologies used: Python, Machine learning, Data analysis, API integration, Render Cloud, Docker. MongoDB Database.**

EDUCATION

I.K. Gujral Punjab Technical University **Sep. 2020 – July 2024**
Bachelor of Technology in Computer Science and Engineering **(CGPA- 8.0)** *Mohali, Punjab*

TECHNICAL SKILLS

Languages: Python, C, C++, HTML/CSS, SQL
Developer Tools: VS Code, DVC, ML flow, Docker, MongoDB, vector database, PostgreSQL, Jenkins, CI/CD Pipeline
Technologies/Frameworks: RESTfuls API, FastAPI/Flask/Django, Micro-services, Langchain TensorFlow, LLM, NLP, Object Detection.

RELEVENT COURSEWORK

- Data Structures
- Software Methodology
- Database Management
- Artificial Intelligence
- Computer Network
- Machine learning and
- Deep Learning

EXTRACURRICULAR

Bharat Tech Experience Hackathon **28-29 Oct 2023**
Team name : InQbator *Organized by GDSC-SVIET*

- ∗ Secured 3rd place in a competitive field of 60+ teams with a proficient 4-member team.
- ∗ Collaborated effectively to engineer innovative solutions for complex real-world tech challenges.
- ∗ Demonstrated agility, ingenuity, design, and coding expertise in a high-pressure environment.
- ∗ Leveraged networking opportunities to stay abreast of cutting-edge industry trends and best practices.