







UDDESHYA PACHAURI

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 [Uddeshya linkedin](#) |  [Uddeshya github](#) |  [Uddeshya Portfolio](#)

SUMMARY

Aspiring to be a skilled professional in AI and ML domain, leveraging my strong foundation in algorithms, statistical modelling, and data analysis to create intelligent systems that drive meaningful insights and deliver impactful results.

SKILLS

Python | C | C++ | JavaScript

Data Science: Machine Learning | NLP | Transformers | Deep Learning | PyTorch | Large Language Models | LangChain | LangSmith | LangServe | RAG | Transformers | Sparke | Pipelines | Generative AI | Prompt Engineering | Snowflake | keras | tensorflow | Flask | Postman | REST API | Streamlit | Azure | FastAPI Data Analytics

Advanced Excel | Tableau | SQL | Exploratory Data Analysis | Statistical Analysis | Reporting

Analytical skills: bootstrap | Git | Html | CSS | AWS services | JSON | API handling | Agile | Java Script | Nodejs | Mern stack | Reactjs

EDUCATION

Chandigarh University

Master of Computer Application - Artificial Intelligence and Machine Learning

06/2022 to 05/2024
Score - 7.33 SGPA

Dr MPS college of business studies

Bachelor Of Science - Computer Applications

06/2019 to 05/2022
Score - 7.3 CGPA

Holy public School

Intermediate: CBSE- Non Medical

06/2018 to 05/2019
Score - 6.3 CGPA

Holy public junior college

Matriculation: CBSE

06/2016 to 05/2017
Score - 7.8 CGPA

Professional Experience

Data Science Research Intern

Krista Software, Pune

- Led R&D initiatives focused on generative AI and advanced Language Models, contributing to the development of innovative solutions.
- Engineered a streamlined pipeline to evaluate and optimize model responses to user prompts, enhancing the efficiency and effectiveness of AI-driven interactions.
- Developed an automated project that resulted in a significant 25% decrease in the R&D department's solution development time, leading to improved productivity and client satisfaction.
- Collaborated with cross-functional teams to integrate AI models into existing systems, ensuring seamless deployment and enhanced user experience.
- Leveraged Python, Pyspark, SQL, and machine learning algorithms to develop and implement data-driven solutions, demonstrating strong technical skills and problem-solving abilities.

RELEVANT PROJECTS

LLM-Chatbot-Integration

LangChain, LangSmith, LangServe, GPT, LLaMA2, API calls, FastAPI, integration, RAG, Ollama, llama2, GPT, prompt engineering

- Developed a chatbot leveraging LangChain and large language models (LLMs) like GPT and LLaMA2.
- Utilized LangSmith for tracking and analyzing the chatbot's performance, ensuring high-quality interactions and continuous improvement.
- Employed API calls via LangServe to manage and deploy the chatbot effectively, ensuring scalability and robustness.
- Integrated FastAPI to facilitate rapid development and seamless integration of the chatbot into existing systems, enhancing its utility and accessibility.
- Integrated a vector database to store and retrieve high-dimensional embeddings efficiently.
- Reduce the time which people used to visit on many website for the different tasks by 30%

Link- [Chatbot](#)

Multimodal AI Voice Assistant

Deep learning | CNN | GPT-4 | llama-2 | Langchain |whisper | LLM fine-tuning | Transformers architecture.

- Developed a Multimodal AI Voice Assistant leveraging cutting-edge AI technologies
- Utilized LangChain to integrate multiple large language models (LLMs) like GPT-4 and LLaMA2, enabling the assistant to handle both voice and text inputs effectively.
- Employed LangSmith to monitor and analyze the assistant's performance, ensuring high-quality interactions and facilitating continuous improvement.
- Managed to reduce the workflow of a person that bieng used to manage work by 15%

Link- [Multimodal_chat](#)

Personalized Travel Budget Prediction using ML

Developed a ML model to provide personalized travel budget estimates for users, effectively guiding financial planning for trips. Tech Used:

- Programming Language: Python Exploratory Data Analysis, Machine Learning, Data Mining,
- Pipelines. Libraries: NumPy, Pandas, Seaborn, scikit-learn, Pickle Framework: Flask Frontend
- Development: HTML, CSS, JavaScript. IDE: Jupyter notebook, VS Code
- Provided the picture of the expense more likely to be and reliability by 35%

Link: See [budget for future trip](#)

Data Analysis of Sprocket Central: KPMG-Forage

Ensured data integrity and quality, identified high-value customers, and created compelling visualizations that drove strategic decision-making. Tech Used:

- Data Cleaning, Data Pre-Processing, RFM analysis, Exploratory Data Analysis, Data Visualization,
- Data Presentation. Dashboard Creation. Platforms used: Advanced Excel, Tableau, PowerPoint.
- Soft Skills: Analytical Skills, Client Communication, Decision Making

Link: [Github link](#)

CERTIFICATIONS

- React JS and Node JS | Infosys Springboard 11/2022
- Automation Anywhere
- Machine learning by IBM From coursera
- Exploratory Data Analysis by IBM From coursera

INTERPERSONAL SKILLS

Adaptability | Teamwork | Detail Oriented | Optimistic | Problem Solving | Communication
| Goal oriented | Decision-making | Quick Learner | Analytical Mindset |

LANGUAGES KNOWN

English | Hindi | Punjabi

INTERESTS & HOBBIES

- Data Science
- AI
- Train lover
- Trekking