RISHI RAJ
B.Tech. - CSE - PIT

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Parul University
NAAC A++

BRIEF SUMMARY

Dynamic and results-driven professional seeking a challenging role in Data Science to leverage my skills in machine learning and data analysis, acquired through a Bachelor's degree in Computer Science and valuable experience in both academia and industry.

KEY EXPERTISE

Python | Data Analysis | Data Science | large language model (LLM) | Dialogflow | Powerbi | NumPy | Pandas | Data Visualisation

EDUCATION

Parul University — 2021 - 2025
B.Tech. - CSE - PIT | CGPA: **6.39 / 10**

M.H.S.HIGH SCHOOL, Patna — 2020
12th | BSEB | Percentage: **70 / 100**

R.B. +2 HIGH SCHOOL, Nalanda — 2017
10th | BBOSE | Percentage: **66.20 / 100**

AWARDS AND SCHOLARSHIPS

- Successfully cleared the (SSIP) Student Start-up and Innovation policy of the hackathon in (2022).
- Successfully cleared the round of the TVS Credit E.P.I.C 5.0 hackathon in (2023)
- Successfully cleared the regional round of the hackathon in (2022).
- Successfully cleared the first round of Toyota Thon (2023)
- Successfully cleared the round of the Coca-cola Disrupt Season 3 hackathon in (2023).
- I'm complete Oracle Cloud Infrastructure generative AI exam in 2024

INTERNSHIPS

petpooja | Food & Packaged Food — 26 Aug, 2024 - Present
data scientist intern

Key Skills: prompt engineer, llm,rag, python

Make a prompt for some images and make chat bot by using LLM and RAG

Akiyam Solutions Pvt.Ltd | IT / Computers - Software — 03 Jan, 2024 - 03 Jul, 2024
Data Analysist

Key Skills: Python, Data Analysist, Megical.io, Apollo.ai, Power BI

Lead Generation:
Utilize APPOLO.io for data scraping to gather potential leads and contact information efficiently.

Data Analysis with PowerBI:
Currently working with PowerBI to analyze data and create insightful reports and dashboards that help in making data-driven decisions.

Quantum AI system | IT / Computers - Software — 16 Apr, 2023 - 16 Nov, 2023
Data Scientist

Key Skills: ML ,LLM ,PYTHON, DATA SCIENCE | Dialogflow

Data Analysis and Model Development:
Analyzed data to develop and optimize AI-based solutions.

PDF Chatbot Development:
Created LLM-based chatbots for interacting with multiple PDF documents.
Analytics Dashboard in Django:

Developed analytics dashboards using Django, integrating with a database to display data insights.
Data Visualization:
Utilized data visualization tools to create interactive financial data representations.
Data Models and Documentation:
Created data models and documented data flows to enhance system architecture and data quality.

PROJECTS

AI base Robotic arms
20 Feb, 2024 - 06 Mar, 2024

Team Size: 2

Key Skills: cv2 numpy utlis robot framework aurdino

Project Link: https://github.com/chalescharli/minor-project

This project develops a smart robotic arm that replace human hand movements, using vision-based interaction. By leveraging Python's OpenCV and an Arduino board, the AI arm responds to human hand gestures without any physical connection. This approach ensures simplicity, real-time accuracy, and efficient control, making it superior to traditional methods. The technology finds applications in humanoid and personal robots, promising a future where machines effortlessly respond to human gestures

Hand gasture detection
21 Feb, 2024 - 29 Feb, 2024

Key Skills: mediapipe cv2 utils numpy

Project Link: https://github.com/chalescharli/gasters

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Multiple_Pdf_LLM model
05 Oct, 2023 - 26 Nov, 2023

Key Skills: Langchain,vectorstores,streamlit python LLM huggingface

Project Link: https://github.com/chalescharli/multiple_pdf_LLM

The application follows these steps to provide responses to your questions:
1. PDF Loading: The app reads multiple PDF documents and extracts their text content.
2. Text Chunking: The extracted text is divided into smaller chunks that can be processed effectively.
3. Language Model: The application utilizes a language model to generate vector representations (embeddings) of the text chunks.
4. Similarity Matching: When you ask a question, the app compares it with the text chunks and identifies the most semantically similar ones.
5. Response Generation: The selected chunks are passed to the language model, which generates a response based on the relevant content of the PDFs.

Prediction Analysist
01 Jun, 2023 - 10 Jun, 2023

Key Skills: python Data Preprocessing Data visualisation

Project Link: https://github.com/chalescharli/Python_Machine_learning_masters

Data preprocessing is a crucial step in data science and machine learning that involves transforming raw data into a clean and usable format. Here are the key steps involved:
Data Cleaning:
Handling Missing Values: Identify and handle missing data by removing records, imputing values, or using algorithms that can handle missing data.
Removing Duplicates: Detect and remove duplicate records to avoid redundancy.
Correcting Errors: Identify and correct errors or inconsistencies in the data, such as typos or incorrect entries.

Feature Engineering:
Creating New Features: Derive new features from existing data to provide additional insights to the model.
Feature Selection: Select the most relevant features for the model to improve performance and reduce complexity.
Data Integration:
Combining Data from Multiple Sources: Merge data from different sources to create a comprehensive dataset.

PUBLICATIONS / RESEARCH / WHITE PAPERS

LLM model
20 May, 2024

No. of Authors: 1

Key Skills: LLM

A Large Language Model (LLM) is a type of artificial intelligence model designed to understand and generate human-like text based on large datasets. These models use advanced machine learning techniques, such as deep learning and neural networks, to process and analyze vast amounts of textual data. LLMs can perform various natural language processing tasks, including language translation, text summarization, question answering, and conversational AI. Notable examples of LLMs include OpenAI's GPT-3 and GPT-4, which have demonstrated capabilities in generating coherent and contextually relevant text across diverse topics and applications.

what is ros and how to connect with artifical intelligents

No. of Authors: 1

Key Skills: ROS machine learning computer vision NLP AI

ROS is a powerful framework for developing robotic applications, and integrating it with AI can significantly enhance robot capabilities. By combining ROS with AI technologies like computer vision, machine learning, and natural language processing, you can create intelligent and autonomous robotic systems.

what is Generative AI
No. of Authors: 1

Key Skills: video generation text generation audio generation

Generative AI refers to artificial intelligence systems that can create new content or data, such as text, images, music, and more, by learning patterns from existing data. These models can generate human-like text, produce realistic images, create original music, and even design new products

ACHIEVEMENTS

- I got a Warrior badge in Infosysspringboard.
- I got a Senior Member badge unstop.
- i got reactive batch in freecodecamp
- I got a solution guru badge in Sololearn

ASSESSMENTS / CERTIFICATIONS

GDSC WOW
GDSC WOW (Winter of Wonder) is an event organized by Google Developer Student Clubs (GDSC), which are university-based community groups for students interested in Google developerHackathons and Competitions:

Participants often engage in hackathons or coding competitions where they can apply their newly acquired skills to build innovative projects. These events foster a spirit of collaboration and healthy competition among students. technologies.

HTML-CSS-JAVASCRIPT

Key Skills: HTML CSS JAVASCRIPT

AI for India

Key Skills: AI ml Neural Networks

AI for India is an initiative launched by Skill India, aimed at democratizing artificial intelligence (AI) education and empowering individuals with AI skills
AI for India offers a variety of courses covering essential AI topics such as machine learning, deep learning, natural language processing, computer vision, and data science. The curriculum is designed to cater to different levels of expertise, from beginners to advanced learners.

Tata Imagination
The Tata Imagination Challenge is an annual competition organized by the Tata Group, one of India's largest and most respected conglomerates. The challenge aims to foster innovation and creativity among students and professionals.
the Tata Imagination Challenge is a prestigious competition that not only identifies and rewards innovative ideas but also nurtures the creative and entrepreneurial spirit among students and professionals, fostering a culture of innovation within India and beyond.

Microsoft AI Skills Chalange

Key Skills: Microsoft Azure azure ai Computer Vision

The Microsoft AI Challenge is a competitive event organized by Microsoft, aimed at promoting innovation and skill development in the field of artificial intelligence (AI). The challenge invites participants to solve real-world problems using AI and Microsoft technologies

Generative AI

Key Skills: Artificial Neural Networks Neural Networks Mlops AIML

Generative AI refers to a class of artificial intelligence models that can generate new content, such as text, images, audio, and even video, that is similar to the data on which they were trained. These models learn the patterns and structures of the training data and use this knowledge to create novel and coherent outputs

OCI Generative AI
Aggregate: 70 / 100

Key Skills: LLM, LLM architecture, Prompt engineering

OCI provides a comprehensive and scalable platform for developing and deploying generative AI applications. Leveraging OCI's data management, machine learning, and deployment services, you can build sophisticated generative models for various applications such as text, image, and audio generation. By following a structured approach to data preparation, model development, deployment, and monitoring, you can harness the full potential of generative AI on Oracle Cloud Infrastructure.

SEMINARS / TRAININGS / WORKSHOPS

Scaler Masterclass Institute Name: Scaler   18 Jan, 2024 - 20 Jan, 2024

Key Skills: Data Science   Python

Python boasts a vast ecosystem of libraries tailored for data science, such as:
Pandas: For data manipulation and analysis.
NumPy: For numerical computing and array operations.
Matplotlib and Seaborn: For data visualization.
SciPy: For scientific computing.
Scikit-learn: For machine learning and data mining.

CO-CURRICULAR ACTIVITIES

- Gaming

PERSONAL INTERESTS / HOBBIES

- Business ,listening songs

WEB LINKS

- Github - https://github.com/chalescharli
- Twitter - https://twitter.com/RishiRa07490731
- Personal - https://rishiraj-profile.netlify.app/

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: vadodara, shyamal county,390019, Vadodara, Gujarat, India - 390019

Emails: 210305124131@paruluniversity.ac.in , rishiraj1131@gmail.com

Date of Birth: 06 Feb, 2003

Known Languages: Hindi , English

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