Sailesh Panda

First Year M.tech(Artificial Intelligence) Student
Department of Computer Science and Engineering

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Education

Degree	Institution	CPI/%	Year
M.tech	IIT Gandhinagar	NA	2024 - 2026
B.Tech	Silicon Institute of Technology, Bhubaneswar	7.22	2016 - 2020
Class XII	St.Xavier High School, Bhubaneswar	80.4%	2015-2016
Class X	Belpahar English Medium School	84%	2013-2014

Work Experience

- **Machine Learning QA Engineer, Gather AI;**   **[February 2022 - November 2023]**
    - Automate the ML QA process using Python and Google API.
    - Analysing data for better system performance.
    - Sharing insights with the ML and Autonomy team.
    - Monitoring the precision and recall of the System's prediction.
- **Associate System Engineer, TCS;**   **[January 2021 - February 2022]**
    - Monitoring daily working of DMSCP run. Check the workings of the preprocessor and aggregator.
    - Resolving Tickets related to the DMS-LMS problem.
    - Checking and Developing DMSCP script if any problem is detected.

Projects

- **Assistant,**   **[February-March 2024]**
    - I created an AI Assistant using the Huggingface's transformers library.
    - I used a GPT2 model and fine-tuned it with hugging face data.
    - The model's size prevented training on the full dataset due to limited computational resources.
- **Retrieval-augmented generation (RAG)**   **[March-April 2024]**
    - Developed an interactive chat experience focused on the Bhagavad Gita.
    - Utilised MongoDB cloud for data storage and retrieval based on cosine similarity.
    - Developed a response generation model using Google's Gemini Pro through the google-generativeai library and API.
    - Enabled context-aware responses tailored to user inquiries.
- **Others**
    - I have worked on some other hands-on projects like language translation, fake news classification, and data science projects. You can check my GitHub.

Skill Summary

- **Languages:**   Python, C++
- **Libraries and Frameworks:** pytorch, tensorflow, sklearn, pandas, numpy, matplotlib.

Extra-Curricular Activities

- **Cooking**
    - Passionate about exploring new cuisines and creating fusion dishes that blend international flavours with traditional Indian recipes.
- **Adventure Sports**
    - Enthusiastic about participating in adventure sports, including activities such as paragliding, trekking, and white-water rafting.