**Introduction:**

Hi, my name is Adarsh, and I have **3 years of experience** in data science, machine learning, and artificial intelligence. I have worked on multiple **end-to-end data science projects**, starting from **data cleaning**, **model building,** and **modal** **validation** to **model deployment**. I have a strong knowledge of **TensorFlow**, **Python**, **Keras**, and **SQL**, with experience in both **supervised and unsupervised learning algorithms**.

I am proficient in Python with the libraries of pandas, NumPy, seaborn and matplotlib, spacy for NLP, SciPy for scientific computing, and scikit-learn for machine learning, and Streamlit.

In addition, I have hands-on experience with **data preprocessing**, working with **Oracle SQL** and **SQL Server** databases for fetching data, along with building and optimizing models. I’ve worked individually and as part of multiple teams, contributing to various machine learning projects. I am also familiar with **Jira** and **GitHub** for project management.

My daily responsibilities involve **coding in Python**, solving **data science and machine learning problems**, and handling **data visualization** tasks using tools like **Power BI**. i am skilled in using frameworks like **TensorFlow** for deep learning projects.

For the past six months, I have been working on a **Generative AI project (POC)** and have been actively upskilling myself.

--- Projects ---

1. AI Document Retrieval System | AIML LABS PVT LTD

Business Objective: Developed an AI-powered document retrieval chatbot to handle company-related queries efficiently by extracting and processing data from PDFs. This chatbot streamlines information retrieval, enhancing productivity and decision-making by providing quick and accurate access to crucial company details in real-time.

1. AI-Powered Checkout System | AIML LABS PVT LTD

Business Objective: Developed an AI-powered checkout system to automatically identify and bill products, removing the need for manual cashier operations. This solution aims to streamline the checkout process, enhance efficiency, and improve customer satisfaction in retail environments using advanced machine learning techniques.

1. Sentiment Analysis | AIML LABS PVT LTD

Business Objective: Developed a sentiment analysis model using an RNN with LSTM cells to classify text data sentiment (positive, negative, neutral). This solution provides valuable insights into customer opinions and social media sentiments, supporting data-driven decision making in marketing and customer service.

1. Fraud Detection | AIML LABS PVT LTD

Business Objective: Engineered a machine learning pipeline to detect fraudulent financial transactions, improving the real-time identification of fraudulent activities based on transaction data patterns. This solution enhances security and reduces financial losses by providing accurate and timely fraud detection.