Varun Salunkhe

Data Scientist
Wipro

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Objective

Committed Data Scientist with expertise in machine learning, AI, LLMs, and Generative AI. Skilled in extracting insights from complex datasets, developing predictive models, integrating AI solutions, and building LLM-powered applications to drive business decisions and improve efficiency. Experienced in leading data science projects and collaborating to deliver impactful AI-driven solutions.

Education

B.TECH.
ADCET, Ashta (2018-2022)
CGPA : 7.60/10

Links

GitHub:// **varunsalunkhe**
LinkedIn:// **varun-salunkhe**

Skills

Python
Structured Query Language (SQL)
Statistics
Data Science
Data Cleaning
Data Visualization
Exploratory Data Analysis (EDA)
Machine Learning
Deep Learning
Artificial intelligence
Computer Vision
Natural Language Processing (NLP)
LLMs and Generative AI
Microsoft Power BI
Git and GitHub
Problem solving
Team management

Certifications

AWS Certified Cloud Practitioner
Salesforce Certified AI Associate
Microsoft Certified Azure Fundamentals

Awards

Victory League (Wipro)

Experience

Mar 2023 - Present **Wipro, Bangalore** **GenAI Developer**

- Developing a GenAI-based chatbot to assist customers with claims, queries, and product information.
- Implemented Retrieval-Augmented Generation (RAG) to enhance response accuracy and system scalability, improving the model's ability to answer complex questions by 30%.

Data Scientist

- Developed and implemented a claim classification model for a leading automobile company, using machine learning, deep learning techniques, and NLP algorithms.
- Collaborated with cross-functional teams to gather requirements, design solutions, and integrate the model into existing systems.
- The solution was deployed on Red Hat OpenShift, ensuring scalability, reliability, and seamless integration through containerization and orchestration.

Nov 2022 - Feb 2023 **Feynn Labs, India** **Machine Learning Intern**

- Analyzed market data to uncover key product insights by visualizing sales trends and customer preferences, facilitating decision-making.
- Performed a customer segmentation analysis using unsupervised learning techniques, such as clustering, resulting in a 20% increase in the effectiveness of targeted marketing.

Sept 2022 - Nov 2023 **iNeuron.ai , India** **Project Based Internship**

- Led a team of 4 members in developing a Mushroom Classification Model using machine learning algorithms.
- Conducted comprehensive performance evaluations to select the most suitable model for mushroom classification.

Projects

2024 **News Research Tool Using LLM**

- Tech stack: Mistral-7B-Instruct-v0.1-GGUF, streamlit, LangChain, Langchain-community, C transformers, Chroma DB, Unstructured.
- Designed a custom news research tool using Mistral LLM, implementing a RAG-based system to process unstructured URLs, analyze website content, and generate precise query responses.

2024 **Text Summarizer**

- Tech Stack: Python, transformers, FastAPI, AWS services(ECR, EC2)
- Built a text summarization model using google/pegasus-cnn-dailymail to generate concise summaries.
- Implemented a CI/CD pipeline on AWS with GitHub Actions for seamless deployment and maintenance.

2023 **Tomato Disease Prediction**

- Tech Stack: Python, TensorFlow, Keras, Flask, HTML, CSS
- Developed a disease prediction model for detecting diseases in tomato plants. The model was built using InceptionV3, a pre-trained CNN architecture, and achieved an accuracy of 86.70%.