

Shivkumar Yadav

Software Development Engineer

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📍 NOIDA

About me

Software development engineer with 2.5+ years of experience in developing and implementing cutting-edge machine learning algorithms, models and interactive dashboard using Power bi. Skilled in natural language processing, Generative AI, LLM and Power BI, consistently delivering high-performing AI solutions and dashboard that have provided accuracy and efficiency to clients.

Technical Skills

- Language:** Python, JavaScript
- Databases:** T-SQL, PL-SQL, Spark, Chroma DB and Pinecone
- Visualization:** Matplotlib Seaborn, Power BI
- Cloud:** Azure Open AI, Azure Data Factory, Azure synapse
- Machine Learning & AI:** Scikit-Learn, Generative AI, LLM
- Web Framework:** Flask
- TensorFlow, Lang Chain, Machine Learning, Natural Language Processing and Deep Learning

Work Experience

Dynapt Solution

Software development Engineer

March 2022 – Jan 2024

- Developed and maintained NLP pipeline for large volume processing of text data, resulting in a 20% reduction in processing time and a 15% increase in data accuracy.
- Developed a sentiment analysis model using customer comments and implemented azure MLOPs.
- Train generative models using large datasets and optimize model performance.
- Implemented a Retrieval-Augmented Generation (RAG) system to enhance the conversational abilities of a chatbot.
- Utilized Redis, an in-memory data structure store, to implement caching for memory in LLMs.
- Train chatbots on large datasets of text conversations and applied Finetune technology.
- Implemented Azure OpenAI services for developing a text generation model, contributing to Dynaptmax bot.
- Create data pipelines in ADF for data migration and analytics.
- Optimize stored procedure data pipelines to improve data retrieval up to 30%.
- Design Power Bi Dashboard using crosstabs, scatter plots, line charts, bar charts and density charts.
- Usability of dashboard improved by implementing interactive Visualization resulted in a 20% increase in user engagement.

Dynapt Solution

Software Development Intern

Sept 2021 – Feb 2022

- Migrate data from Azure synapse analytics to Azure hyperscale using store procedure.
- Worked on data modeling using ER Studio, Erwin.
- I have implemented schema/Snowflake modeling, Fact, and dimension tables Conceptual, physical, and logical modeling.

Education

Bachelor Of Technology

Electrical Engineering (2019)

Training

KVCH NOIDA

Data Science and Machine Learning using Python
(July2019 – Nov2019)

Certifications

- Microsoft Data Science Associate
DP-100(Dec2023 – Dec 2024)
- Microsoft AI Engineer Associate
AI-102 (July2023 – July2024)