

Vikas Chauhan

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EDUCATION

Guru Jambheshwar University of Science & Technology, Hisar M.Sc. in Mathematics	Oct. 2020 - Jul. 2022 CGPA: 7.67/10
Guru Jambheshwar University of Science & Technology, Hisar B.Sc. in Mathematics	Jul. 2017 - Oct. 2020 CGPA: 7.21/10

CERTIFICATIONS

Microsoft Certified: Azure Data Scientist Associate	Feb. 2023
Microsoft Certified: Azure Data Fundamentals	Dec. 2022
AWS Certified: Cloud Practitioner	Nov. 2022
Microsoft Certified: Azure Administrator Associate	Oct. 2022
Microsoft Certified: Azure Fundamentals	Aug. 2022

EXPERIENCE

Acadecraft Inc. Research Associate	Jan. 2024 - Present
Newbieron Technologies Data Scientist Intern	Sept. 2023 - Oct. 2023

SKILLS

Languages:

Python, SQL

Libraries:

NumPy, Pandas, Matplotlib, Scikit-learn, Tensorflow, Keras, nltk, OpenCV, PyTorch, LangChain, Huggingface

Tools:

Excel, Power BI, Tableau

Technologies:

Git, Linux, Docker, MLOps, MLflow, DVC, GitHub Actions, Generative AI, Agentic AI

PROJECTS

<u>AI-Powered Personal Assistant</u>	<i>Gen AI, Python, LangChain, Ollama, Deepseek</i>
<i>Uses an LLM to process user prompts and send emails or WhatsApp messages with attachments.</i>	
<ul style="list-style-type: none">• A Streamlit-based application that uses an LLM to process user prompts and automate email and WhatsApp communication with attachments.• Implements LangChain's multi-agent decision-making to choose the appropriate communication method dynamically.• Combines AI, email, and messaging services to create an efficient and user-friendly communication tool.	
<u>Vehicle Number Plate Recognition System</u>	<i>Object Detection, OCR, Python, MySQL, BigQuery, DVC</i>
<i>Identifies vehicles and logs their entry into database</i>	
<ul style="list-style-type: none">• Developed a database system using MySQL and BigQuery for data storage.• Trained a YOLOv10 object detection model and integrated EasyOCR for license plate text extraction.• Built a Flask web app to log vehicle entry times in a database.	
<u>Bank Marketing Campaign Machine Learning Project</u>	<i>Classification, Python, Flask, Docker, AWS, GitHub Actions</i>
<i>Predicting the client will subscribe a term deposit or not</i>	
<ul style="list-style-type: none">• Performed EDA, data cleaning, and modular coding for efficient data processing and model training.• Built a Flask web app, dockerized the project, and deployed it on an AWS EC2 instance.• Implemented a CI/CD pipeline using GitHub Actions for automated updates and maintenance.	

Analysis of UEFA Competitions Using SQL

PostgreSQL, Data Analysis

- Analyzed UEFA competitions using advanced SQL techniques to uncover insights on team performance, player statistics, and attendance trends.
- Explored datasets, execute SQL queries to answer specific questions, and summarize findings through structured reports.
- Included team and stadium statistics, goals and player performance analysis, match attendance insights, and seasonal trends.

FIFA Dataset Visualization Using Tableau

Tableau, Data Analysis

- Analyzed FIFA 19 data to visualize player and team performance using Tableau.
- Built interactive dashboards with charts, filters, and calculated fields.
- Visualized top clubs, top players, positional analysis, and goalkeeper rankings.

AquaFizz Beverage Startup Excel Project

Excel, Data Analysis

- Ensured employee compliance, optimize productivity, and analyze sales data for better business insights at AquaFizz.
- Used Excel to track working hours, identify discrepancies, and analyze customer and sales trends with visual dashboards.
- Compliance checks, top customers and cities by sales, beverage profit analysis, and an interactive Excel dashboard.