Khilesh Bhangale

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Education

Vellore Institute of Technology, Bhopal — Sep 2022 – May 2026
Bachelor of Technology in Computer Science, CGPA: 8.07/10.0 — Bhopal, MP

Technical Skills

Languages: Python, SQL, HTML/CSS

Frameworks/Libraries: Pandas, Numpy, Matplotlib, Scikit-learn

Tools: Excel, Google Sheets, PowerBI, Powerpoint, MySQL, Git

Platforms: Visual Studio Code, Jupyter Notebook, Google Collab, Pycharm, Github

Projects

Product Delivery Prediction| Link — *Aug 2025*

- Built a ML model to predict on-time product delivery using a dataset of **10,999** observations across **12** variables.
- Conducted EDA and identified key drivers of delivery, such as product weight (2.5–3.5 kg), cost (<$250), and discounts (>10%).
- Evaluated multiple ML models; achieved 69% accuracy with Decision Tree, outperforming Random Forest (68%), Logistic Regression (67%), and KNN (65%).

Shauryan - Banking Website|SQL, Appwrite, Dwolla | Link — *Oct 2024*

- Designed relational database schemas for core banking modules, including accounts, transactions, and customer profiles using Appwrite.
- Implemented role-based access control and data security measures to safeguard sensitive financial data.
- Ensured data integrity and ACID compliance through normalization and transaction management.
- Integrated Dwolla for seamless fund transfers and ACH payments.

Analysis of Diwali Sales| Python, Pandas, Numpy, Matplotlib, Seaborn| Link — *Dec 2024*

- Analyzed 12,000+ sales records to uncover customer segments and regional demand, revealing that 60% of revenue came from urban markets.
- Built insightful dashboards and visualizations (heatmaps, bar charts) to highlight patterns and guide marketing strategies.
- Delivered data-driven recommendations that demonstrated the potential for a 15% boost in regional sales through targeted campaigns and inventory planning.

Cotton Field Weed Detection|Python, Ultralytics, PyTorch, Matplotlib| Link — *July 2025*

- Developed and trained a YOLOv11 model, achieving 72% mAP50–95 and 92% recall.
- Built and annotated a multi-class weed dataset and applied augmentation, improving model robustness under varying field conditions.
- Analyzed per-class performance, achieving > 85% detection accuracy of goosegrass and purslane, while identifying data imbalance issues in classes

Certifications

Foundations: Data, Data, Everywhere (Google) | Link — Dec 2024
Data Science in Python | (Link) — April 2025

Extra-Curricular

Event Management Lead, Linpack Club — Dec 2023 – Aug 2025

- Led and mentored 60+ team members at Technical Club, organizing MATLAB/Simulink and LaTeX workshops, hackathons to enhance students computational and technical skills.
- Successfully conducted 2 workshops with more than 200 participants. Actively participated in the SIH and also VIT Bhopal's 1st INDUSTRY CONCLAVE.

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