

# Khilesh Bhangale

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Linkedin: /in/khileshvb01 | Github: Khileshhhub | Portfolio: khilesh-website.vercel.app

## Education

Vellore Institute of Technology, Bhopal

Sep 2022 – May 2026

Bachelor of Technology (B.Tech) in Computer Science – CGPA: 8.07/10

Bhopal, M.P.

## Technical Skills

**Programming & Libraries:** Python, SQL, HTML, CSS | Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

**Data Tools & Visualization:** Excel (Advanced), Google Sheets, Power BI, Tableau

**Platforms & Tools:** Jupyter Notebook, Google Colab, VS Code, PyCharm, Git/GitHub | MySQL, Appwrite

## Projects

### Product Delivery Prediction | GitHub

- Analyzed **11K+ delivery records** across 12 features to uncover key drivers of late deliveries.
- Trained and benchmarked multiple ML models; **Decision Tree achieved 69% accuracy**, outperforming Random Forest (68%) and Logistic Regression (67%).
- Delivered insights such as **impact of discounts and weight ranges**, enabling policy simulations that **reduced predicted delays by 12–15%**.

### Cotton Field Weed Detection | GitHub

- Developed a detection system using **YOLOv11 object detection**, achieving **72% mean Average Precision (mAP)**, a **key ML performance metric** and **92% recall**, enabling accurate detection of multiple weed categories in agricultural fields.
- Engineered a multiclass dataset, improving model robustness and reducing overfitting, enabling consistent performance across field conditions
- Achieved **85%+ accuracy on critical categories** and **identified class imbalance challenges**, informing future model refinements and guiding dataset expansion strategies.

### Shauryan – Banking Website | GitHub

- Designed **relational database schemas** in SQL on Appwrite backend with full ACID compliance.
- Implemented **role-based access control**, reducing unauthorized access incidents by **40% in the first quarter**.
- Integrated the **Dwolla API** for seamless fund transfers and ACH payments, ensuring real-world applicability.

### Analysis of Diwali Sales | GitHub

- Analyzed **12K+ sales records** to identify **6 customer segments** by purchasing behavior and demographics.
- Delivered data-driven insights and strategic recommendations through visuals, driving a projected **15% increase in sales** across regional markets.

## Leadership & Activities

### Linpack Club

Dec 2023 - Aug 2025

*Event Management Lead*

*VIT Bhopal University*

- Led and mentored 60+ team members at Technical Club, organizing MATLAB/Simulink and LaTeX workshops, hackathons to enhance computational and technical skills.
- Expanded the workshop program by boosting technical engagement by 25% through workshops and hackathons.

## Certifications

Foundations: Data, Data, Everywhere - Google

Cloud Computing - NPTEL

Marketing Analytics - NPTEL

Data Science in Python - iamneo