

# Kartikesh Chatti

✉ kartikesh0312@gmail.com ☎ +1 716 (398)-8136 🔗 LinkedIn 🐙 GitHub

## EDUCATION

- State University of NewYork at Buffalo, Masters in Data Science** Jan 2024 – May 2025  
Relevant Coursework: Python, Statistical Data Mining, Numerical Methods, Machine Learning, SQL & Databases, Probability.
- Vignans Institute of Information Technology, Bachelors of Technology in Computer Science and Engineering.** Jul 2019 – May 2023  
Relevant Coursework: C, C++, Python, DSA, Computer Networks, Web Technologies, Big Data Analytics, Operating Systems, Computer Architecture.

## PROFESSIONAL EXPERIENCE

- Data Analyst, M3 Solutions Private Limited** Aug 2022 – Dec 2023
  - Engineered **SQL-based data pipelines** to extract, clean, and integrate data from multi-source environments, enhancing data readiness for analytics across staffing and IT projects.
  - Built interactive dashboards and data visualizations using **Power BI** and **Tableau** to track key business metrics such as resource utilization, project performance, and client engagement trends.
  - Leveraged **Python (pandas, NumPy, matplotlib)** for exploratory data analysis (EDA), contributing to internal ML models for predicting candidate fit and improving recruitment efficiency.

## PROJECTS

- Smart Farming Assistant** Mar 2025 – Mar 2025  
Developed an AI-powered web application for **precision farming**, enabling farmers to make data-driven decisions.  
**Key Achievements:**
  - 92% accuracy** in **plant disease detection** using **ResNet18**, improving diagnostic efficiency.
  - 98% accuracy** in **irrigation prediction**, optimizing water use by **20%**.
  - Crop yield estimation** model ( **$R^2 = 0.95$** ) for better resource planning.**Innovations:**
  - User-friendly web interface** for real-time AI-driven farming insights.
  - Synthetic data generation** to overcome dataset limitations.
  - Scalable and cost-effective**, making AI accessible to small-scale farmers.
- Detox Dial, Hackathon: AI For Good.** Feb 2025 – Feb 2025
  - AI-powered digital wellness app to combat social media addiction through personalized AI interventions.
  - Created a user-centric **UI/UX** with adaptive AI responses based on Briggs Personality Test.
  - Utilized **data analytics** and **machine learning** to analyze user behavior and provide tailored detox recommendations, enhancing user engagement.
  - Successfully pitched the project**, showcasing its impact on focus retention and digital habit transformation.
- Football Database Management System** Sep 2024 – Dec 2024
  - Developed a **PostgreSQL** relational database to manage football data efficiently, replacing flat-file storage.
  - Designed normalized schemas for players, teams, matches, and sales to ensure **98%** data integrity and scalability.
  - Implemented complex SQL queries for performance analysis, injury tracking, and merchandise sales insights.
  - Optimized **SQL queries**, reducing query execution time by **30%**.
  - Enabled multi-user access with role-based permissions for coaches, analysts, and sales teams.

## SKILLS

- Programming Languages:** Python, C, C++, Data Structures & Algorithms(python), HTML, CSS.
- Databases:** MySQL, PostgreSQL, SQLite.
- Frameworks/Libraries:** Machine Learning, NLP, UI/UX Design, NumPy, Pandas.
- Tools/Methodology:** VSCode, Jupyter notebook, PowerBI, Tableau, Google Colab, Microsoft Office, MATLAB, Excel.

## CERTIFICATIONS



- AI for Good Challenge – University at Buffalo
- Machine Learning Foundations – Kaggle
- Python Core certification – Solo learn.
- PowerBI ultimate Orientation – Udemy
- Data Science Foundations – Great learning
- Data Science in Our World – IBM Skill Build