

# Yash Bhavsar

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## Education

### University of Illinois Urbana-Champaign

Urbana, Illinois

Master of Science in Information Management GPA: 4.00 / 4.00

August 2023 - May 2025

- **Relevant Coursework:** Data Visualization, Data Statistical Models and Information, Methods of Data Science

### K.J. Somaiya Institute of Engineering and Information Technology

Mumbai, Maharashtra

Bachelor of Technology in Information Technology GPA: 3.86 / 4.00

August 2019 - June 2023

- **Relevant Coursework:** Natural Language Processing, Machine Learning, Database Management, Data Mining

## Experience

### FLANDERS Inc.

Evansville, Indiana

#### Autonomous Solutions Development Intern

May 2024 - Present

- Utilized SQL Server to clean 6 million rows of data, enhancing data modeling and ensuring data accuracy for making data-driven decisions, while conducting business process analysis to assess the effects of new data
- Independently worked on complex SQL queries for data pipeline design & implementation and data warehousing, leading to a 30% increase in efficiency through model enhancement and scalability & performance optimization
- Managed projects and led cross-functional collaboration, optimizing effective communication and decision-making processes through critical thinking, analytical skills, and automation using low code solutions

### StandardWings Technologies

Mumbai, Maharashtra

#### Data Analyst Intern

June - July 2021

- Developed a Flask-based web application for HR management, utilizing MongoDB for data processing and automate workflows, and demonstrated multitasking along with ensuring attention to details in database optimization
- Designed and implemented interactive dashboards for KPI tracking, enhancing business intelligence and providing insights for decision-making, highlighting analytical thinking in data analysis and data management
- Created a leave management system, leading to a 50% reduction in workload, and implemented corrective actions to improve system functionality, showcasing adaptability skills and problem solving abilities

## Hackathon Projects

### YogAit | Python, CNN, OpenCV, MySQL

- Developed a posture-enhancing web application utilizing the BlazePose model with 92% accuracy, applying quantitative and qualitative analytical skills to optimize and improve user experience in virtual yoga sessions
- Leveraged MySQL for data management, showcasing expertise in data integration and data quality control to elevate the user experience in virtual yoga sessions

### UNdisEASE | Python, Flask, Jinja2, Bootstrap

- Designed a disease prediction web app with 85% accuracy using XGBoost, optimizing Predictive modeling for patient data management, while actively engaging in collaboration with healthcare professionals to refine features
- Conducted Exploratory Data Analysis (EDA) to identify health indicators, ensuring system compliance with Electronic Health Records (EHR) standards, which required strong problem-solving and attention to details

### Air Quality Visualization (AQV) | Python, Streamlit, Mapbox

- Harnessed the IQair API to process and visualize air quality data, demonstrating proficiency in data wrangling and high-performance data processing for comprehensive analysis
- Developed a 3D visualization tool using Streamlit and Mapbox, empowering users to analyze spatial pollution impacts and advancing decision-making through statistical modeling and technology exploration

## Technical Skills

**Languages:** Python, SQL, R Scripts — **Libraries** – Pandas, Keras, NumPy, PyTorch, TensorFlow, Scikit-Learn, OpenCV

**Analytics Tools** : Power BI, Google Analytics, Microsoft Excel, Word, Powerpoint, Plotly, Tableau, Matplotlib

**Data Engineering:** MongoDB, Django, Flask, SQLite, PostgreSQL, Git, Snowflake, Hive, Google Cloud

## Achievements

- Awarded **2nd** prize at the **national-level** 'Code Odyssey 2.0 2023' a team competition of **25** nationally selected teams organized by the Computer Society of India, Students' Chapter, K. J. Somaiya Institute of Technology, Sion, Mumbai.
- Placed **1st** at the **international** team hackathon 'Evathon 2021-2022' organized by the University of Limerick, Ireland.