

YASH BHAVSAR

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EDUCATION

University of Illinois at Urbana-Champaign

Expected May 2025

Master of Science in Information Management

Coursework: Data, Statistical Models and Information; Information Modeling; Information Consulting

K.J. Somaiya Institute of Engineering and Information Technology

Aug 2019 – Jun 2023

Bachelor of Technology in Information Technology

GPA: 3.86/4

Coursework: Natural Language Processing; Database Management Systems; Machine Learning; Data Mining

SKILLS

Languages: Python, SQL, R | Libraries – Pandas, Keras, NumPy, Matplotlib, PyTorch, TensorFlow, Scikit-Learn, OpenCV

Analytics Tools: Power BI, Google Analytics, Excel, Streamlit, Plotly, Tableau

Data Engineering: MongoDB, Django, Flask, SQLite, PostgreSQL

Tools and Technologies: Visual Studio Code, Google Colab, Git, MS Office, Photoshop, Canva, Pycharm

PROJECT

YogAit: Your personal yoga AI companion

April 2023

- Developed a posture-enhancing web app that strategically places markers on users' bodies during various poses.
- Integrated a CNN-based "BlazePose" model with the backend, gaining valuable experience in database integration.
- The web app offers a unique way to engage in virtual yoga sessions, driven by the efficient 92% efficacy of the model.

UNdisEASE: for you to be at ease

December 2022

- Created a web application enabling users to evaluate potential illnesses and conveniently arrange doctor appointments, particularly relevant during the COVID-19 pandemic.
- The system involves an "XGBoost" model, which analyzes submitted symptoms to predict the top three likely diseases.
- Streamlined data collection, cleaning and then integrating the model into Flask, offering valuable insights into Python's operational dynamics.

Air Quality Visualization (AQV)

August 2022

- The project harnesses the IQair API to retrieve air pollution, health, and population data from diverse regions.
- Through Streamlit, a web framework, this information is translated into a 3D visualization, facilitating comprehensive analysis and representation of data layers.
- This innovative approach empowers users to grasp the spatially accurate influence of pollution on various areas. Notably, 4 major city datasets were incorporated, with almost more than 200 entries, culminating in a detailed 3D graph representation.

FinTrack

March 2022

- Developed an intuitive web app with a unified, visually engaging dashboard that efficiently manages deals, payments, projects, and provides comprehensive performance metrics and financial insights.
- Additionally, it optimizes the workflow 2 times faster, boosting productivity for creators and navigate the evolving creator economy seamlessly.
- This will lead to increase income, enhanced decision-making capabilities, and a more significant impact on the platform.

EXPERIENCE

KJSIEIT, Mumbai | IoT Developer Intern

December 2021 - January 2022

- Created a "Hand Gesture Quad Mobile" an IoT-driven initiative with a hand-embedded accelerometer, which enables the movement of the quad mobile's orientation through Arduino, RF433 transmission, and the L298 motor driver.
- This innovation serves as a boon for individuals with physical limitations. Impressively, the system boasts the capability to adeptly transport loads of up to 5kg with utmost ease.

StandardWings Technologies | Web Developer Intern

June 2021 - July 2021

- Designed the "Employee Leave Management System" a Flask-based web application in Python that leverages MongoDB. This system facilitates the streamlined management of leave requests, balance tracking, and automates various HR procedures.
- By providing such functionality, it empowers HR personnel to efficiently oversee all aspects of leave, subsequently resulting in a notable 50% reduction in their workload.

EXTRACURRICULAR ACTIVITIES

Students' Council KJSIEIT | Joint Sports Secretary

November 2020 - January 2022

- Led the Sports Festival of the college as the Joint Sports Secretary at Students' Council, organizing 15 sports events with a participation number of more than 500.

Infinite Loop KJSIEIT | Member

July 2020 - June 2021

- I organized "Project Her 1.0," a 24-hour women-only competitive programming contest at Infinite Loop, KJSIEIT's CodeChef Campus Chapter, to encourage women in computer technology. My role included creating a competitive question with a solution key.