YASH BHAVSAR

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EDUCATION

University of Illinois at Urbana-Champaign   **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   **August 2019 – June 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, Plotly
Analytics Tools: Power BI, Google Analytics, Streamlit, Tableau
Data Engineering: MongoDB, Django, Flask, SQLite
Tools and Technologies: Visual Studio Code, Google Colab, Git, MS Office, Pycharm

PROJECT

YogAit: Your personal yoga AI companion   **January 2023 - 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.
- Enabled virtual yoga sessions with 92% efficacy by developing a novel approach to posture correction.

UNdisEASE: for you to be at ease   **September 2022 - December 2022**
- Created a web application enabling users to evaluate potential illnesses and conveniently arrange doctor appointments, particularly relevant during the COVID-19 pandemic.
- Trained an XGBoost model to analyze submitted symptoms and predict the top three likely diseases
- Streamlined data collection, cleaning, and then integrating the model into Flask offer valuable insights into Python's operational dynamics.

Air Quality Visualization (AQV)   **June 2022 - 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 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.

EXPERIENCE

KJSIEIT, Mumbai | IoT Developer   **December 2021 - January 2022**
- Designed hand gesture-controlled quad mobile for tasks involving chemicals, COVID-19 patient care, and heavy object manipulation, prioritizing human safety by minimizing direct exposure to risks.
- Integrated smart sensing for precise quad movement based on hand gestures enhances safety in high-risk scenarios.
- Implemented a camera module with object detection to bolster surveillance, ensuring efficient monitoring in risky environments.
- Forged a unified solution employing gesture control, smart sensing, and surveillance for safer execution of high-risk tasks, prioritizing human safety by reducing direct involvement in perilous situations.

StandardWings Technologies | Web Developer   **June 2021 - July 2021**
- Crafted an intuitive HR employee management system, simplifying leave management with an easy-to-use interface and swift leave approval/rejection processes.
- Incorporated automated email notifications for leave status updates, streamlining communication between employees and managers.
- Established features enabling quick employee additions and efficient blocking/unblocking by HR personnel.
- Gained valuable insights into new technologies, learned Django, and understood client needs and pressure handling in critical situations.

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.