Yash Bhavsar

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Education

University of Illinois at Urbana-Champaign   August 2023 - Present
Master of Science in Information Management (GPA: 4.00 / 4.00)   *Urbana, Illinois*
- **Relevant Coursework:** Data Visualization, Data Statistical Models and Information, Methods of Data Science

K.J. Somaiya Institute of Engineering and Information Technology   August 2019 – June 2023
Bachelor of Technology in Information Technology (GPA: 3.86 / 4.00)   *Mumbai, Maharashtra*
- **Relevant Coursework:** Natural Language Processing, Database Management , Machine Learning, Data Mining

Experience

StandardWings Technologies   June 2021 - July 2021
Data Analyst Intern   *Mumbai, Maharashtra*
- Spearheaded the development of a Flask-based web application, "Employee Leave Management System," integrating MongoDB for seamless leave request management, balance tracking, and HR automation.
- Created an intuitive dashboard for HR professionals to keep track of the number of leaves, further enhancing the system's functionality and providing valuable insights for decision-making.
- Transformed HR operations by implementing a cutting-edge system, significantly enhancing leave management efficiency and reducing workload by 50%

Vipul Stationery   June 2020 – August 2020
Data Engineer Intern   *Mumbai, Maharashtra*
- Led a team of 4 in enhancing the user experience and interface design for an E-commerce platform.
- Employed HTML, CSS, and JavaScript to optimize user interactions, contributing to a significant 20% upsurge in online sales.
- Implemented 2 web applications that interface with MySQL databases using JDBC. Managed functionalities using Java and JavaScript to streamline data processing and retrieval.

Projects

YogAit | *Python,CNN, OpenCV, MySQL*   January 2023 - April 2023
- Developed a posture-enhancing web app that strategically places markers on users' bodies during various poses, driven by the efficient BlazePose model with a 92% accuracy rate.
- This integration provided valuable experience in database integration and enhanced the user experience in virtual yoga sessions.

UNdisEASE | *Python, Flask, Jinja2, Bootstrap*   August 2021 - September 2021
- Developed an innovative disease prediction web application, revolutionizing the management of doctor appointments and prescription records with an outstanding 85% accuracy rate achieved through Python and Flask.
- Deployed a "XGBoost" machine learning model to predict the top 3 likely diseases based on input symptoms, demonstrating the prowess of predictive analytics in healthcare.

Air Quality Visualization (AQV) | *Python, Streamlit, Mapbox*   April 2021 - May 2021
- Utilized the IQair API to access air pollution, health, and demographic data from various urban centers, subsequently transforming it into a 3D visualization via Streamlit.
- Enabled users to grasp the spatial pollution impact accurately by incorporating data from 4 major cities with over 200 entries, facilitating comprehensive analysis of air quality layers.

Technical Skills

Languages: Python, SQL, R — Libraries – Pandas, Keras, NumPy, Matplotlib, PyTorch, TensorFlow, Scikit-Learn, OpenCV
Analytics tools : Power BI, Google Analytics, MS Excel, Streamlit, Plotly, Tableau
Data Engineering: MongoDB, Django, Flask, SQLite, PostgreSQL
Tools & Technologies: Visual Studio Code, Google Colab, Git, MS Office, Canva, Pycharm

Achievements

- Secured **2nd** position at the **national-level** 'Code Odyssey 2.0 2023' organized by the Computer Society of India, Students' Chapter, K. J. Somaiya Institute of Technology, Sion, Mumbai.
- Secured **1st** position at the **international** hackathon 'Evathon 2021-2022' organized by the University of Limerick, Ireland.