

DIVYA PANDEY

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<https://github.com/divya2804/Data-Analyst-Portfolio>

EXPERIENCE

TECH MAHINDRA – Pune, MH

UI/UX and Web Development Intern

Mar 2021 – Aug 2021

- Created a dedicated website for Bhaml, offering a seamless online platform for children to access the IDE, resources, and a supportive coding community.
- Designed an intuitive and child-friendly user interface to make coding approachable for young learners, with features such as drag-and-drop functionality and interactive tutorials.
- Utilized Python, JavaScript, HTML/CSS to build a user-friendly and interactive coding environment.

Simpel Techlabs Pvt. Ltd. – Bengaluru, KA

Data Analyst Intern

Feb 2024 - Present

- Analyze clients' data and automate processes using Python, SQL, and Excel.
- Develop and automate processes to enhance efficiency and accuracy in data analysis tasks.
- Created dashboards using Tableau to visualize data insights and facilitate decision-making processes.

PROJECTS

AQI Monitor

- IoT project to detect the quality of air and the various harmful gases present in it. This project used sensors like MQ7 and MQ135 and Arduino.
- Readings of the sensors are generated in real time and are shown on the device, the website, and application.

Product Designing:

- Designed and implemented an IoT-based system to monitor air quality and detect harmful gases in real time.
- Achieved a high-precision data collection rate of 99.5% for accurate gas concentration measurements.

Web Development:

- Engineered a cutting-edge webpage using ReactJS, HTML, CSS, and JavaScript, integrating sensor data into an intuitive dashboard, showcasing real-time sensor output and suggestions to improve air quality.

App Development:

- Developed and deployed a Flutter app that seamlessly displayed real-time sensor readings, accompanied by comprehensive instructions and critical warnings, resulting in an enhanced user experience.

Goodreads Recommendation System

- **Data-Driven Recommendations:** Built a Goodreads recommendation system using Python, Pandas, and Numpy, focusing on review counts, ratings, awards, and genres.
- **Advanced Data Analysis:** Cleaned and preprocessed data for consistency and reliability, applying statistical methods to uncover user preference patterns.
- **Custom Algorithms:** Developed algorithms prioritizing highly-rated, frequently-reviewed, award-winning, and genre-specific books for accurate recommendations.
- **Optimized Performance:** Leveraged efficient data manipulation techniques to ensure the system's scalability and responsiveness for large datasets.

Unicorn Companies Analysis

- **Interactive Visualizations:** Developed dynamic Tableau visualizations to analyze Unicorn companies' valuation, funding, and industry trends.
- **Data Integration:** Combined financial, market, and geographic data sources for a comprehensive analysis in Tableau.
- **Insightful Dashboards:** Created user-friendly dashboards to highlight key insights and patterns among Unicorn companies.

EDUCATION

MIT ADT UNIVERSITY – Pune, MH

Aug 2019- Present

Bachelor of Technology, Information Technology (Data Analytics); Cumulative GPA: 7.04

ADDITIONAL

Programming Languages: Python, C++, SQL, R

Data Visualization: Tableau, Power BI

Web Technologies: JavaScript, HTML/CSS

Machine Learning: Supervised learning, Unsupervised learning, Deep learning

Additional Skills : Written and verbal communication skills, Time Management, Organization, Creativity, Curiosity