

ANUSHKA CHANDRAKANT PAWAR

Arlington, Texas.

+1(682)376-8933 | axp1263@mavs.uta.edu | [linkedin.com/in/anushka-pawar-530451206/](https://www.linkedin.com/in/anushka-pawar-530451206/) | github.com/Anu2802

EXPERIENCE

Data Analyst Intern at Ruddhi Buildcon Pvt Ltd

(August 2021-July 2022)

- Conducted thorough data cleaning and preparation, ensuring the accuracy of construction-related datasets. This process improved data quality by 25%, saving \$50,000 in project costs due to better decision-making.
- Evaluated key project performance metrics, including cost, schedule, quality, and safety, identifying trends and areas for improvement. This analysis resulted in a 15% increase in project efficiency.
- Leveraged advanced Excel functions to manage and analyze large datasets, optimizing data handling processes and reducing processing time by 30%.
- Developed data visualizations using Tableau and Power BI to present findings.

Data Analyst Intern at Om Sai Developers

(January 2021 – June 2021)

- Organized and cleaned property data, improving accuracy and efficiency by 20%.
- Utilized Tableau and Power BI to create dynamic data visualizations, presenting findings that helped stakeholders make informed decisions, contributing to a \$70,000 increase in project value.
- Conducted thorough project performance and risk analysis, reducing project risks by 10%, which prevented potential financial losses of \$35,000.
- Updated property listings and sales databases, reducing errors by 10% and enhancing accuracy.

TECHNICAL SKILLS

Programming/Web Technologies: Python (NumPy, Pandas, Matplotlib, Tensorflow, Keras), Oracle, SQL, MY SQL, Power BI, Tableau, MS Excel, ETL, Salesforce, C, C++, HTML, CSS, React(Basics), PHP(Basics), Java(Basics).

ACADEMIC PROJECTS

Carpool and Car Rental System:

- Engineered and deployed a database system, optimizing performance and efficiency by 20% through SQL query enhancements.
- Designed ER Diagrams and optimized Oracle SQL to reduce query execution time by 15%.

IMDB Data Analysis:

- Implemented ETL processes to extract data from the IMDB database, transform it for analysis, and load it into a data warehouse.
- Ran over 20 intricate SQL analysis queries and demonstrated analytical skills by visualizing results using Excel and Matplotlib, resulting in a 15% enhancement in operational strategies.
- Uncovered trends in movie ratings, genres, and user preferences, identifying Brahmananda in 261 movies (1986-1995).

New York Motor Vehicle Collisions Analysis:

- Analyzed collision data (2012-2014), processing over 80,000 records to identify trends.
- Created over 10 charts, graphs, and heatmaps using Matplotlib for clear communication.

DBLP Dataset Analysis:

- Explored and generated visually compelling graphs, including 3 network visualizations and over 100 subgraphs, to illustrate complex relationships and facilitate intuitive interpretation of the Author and Paper publications Dataset.

Musculoskeletal Radiographs Anomaly Detection:

- Performed anomaly detection on MURA Dataset having more than 48,000 images using image processing and CNN models.
- Conducted a comparative study involving ResNet50, DenseNet169, and VGG16 models for anomaly detection. The study yielded the highest precision of 0.70 with DenseNet169, underscoring its superior performance compared to ResNet50 and VGG16.

Temperature and Humidity Statistical Data Analysis:

- Conducted statistical analysis and hypothesis testing (Goodness of Fit) on temperature and humidity data from Austin, Texas for 2013 using Excel, confirming the data follows a normal distribution with a sample mean of 67.47 and a standard deviation of 12.77.
- Developed a Power BI dashboard for visualizing the results and presenting key insights.

EDUCATION

Masters of Science in Data Science, GPA: 3.2/4

(May 2024)

The University of Texas at Arlington

- Related Coursework: Data Science, Database Systems, Data Mining, Data Science Project Management.

Bachelor of Engineering in Information Technology (Honors in Data Science), GPA: 3.76/4

(May 2022)

Savitribai Phule Pune University

- Related Coursework: Data Science and Big Data Analysis, Machine Learning, Database Management Systems, Business Analytics and Intelligence.

CERTIFICATION COURSES

- Career Essentials in Data Analysis by Microsoft and Linked In. (March 2024)
- Complete Guide to Power BI for Data Analysts by Microsoft Press (May 2024)
- Python Certification Training Program by GTT and ATOS Syntel (March 2021)
- Microsoft Cross Platform App Development course and Badge (February 2021)

PAPER PUBLISHED

- Co-authored Implementation of Face Mask Detector for Prevention of COVID-19 using Tensor Flow, Keras, and OpenCV (Link: http://www.ijirset.com/upload/2022/april/116_Implementation_NC)||Volume 11, Issue 4, April 2022||