Rimple Poonia Dabas

📍 Toronto | Permanent Resident of Canada | ✉ rimpledabas@gmail.com | 📞 +1 (437) 229-6601
🔗 https://rimpledabas.github.io/ | in www.linkedin.com/in/rimpledabas

Looking for an opportunity to work in a challenging position combining my skills in Coding, Data Analytics and Research which provides professional development, learning opportunities and personal growth. Team oriented, critical thinker and hardworking individual with strong organizational, administrative and analytical skills.

Core Competencies

Education:

- **University of Toronto**   Certificate, Data Analytics   Toronto | Feb'23-Aug'23
- **Indian Institute of Technology (IIT), Delhi**   MTech   Delhi, India | 2010-12
- **Panjab University**   MS (Physics)   Chandigarh, India |2004-09

Technical Skills:

- **Languages:** Python, SQL, JavaScript, HTML, MATLAB, NOSQL, VBA
- **Applications:** Power BI, Tableau, MySQL, Alteryx, PostgreSQL, API, Flask, MongoDB
- **Tools:** Excel, PowerPoint, Scikit Learn, Pandas, NumPy, PySpark, TensorFlow, Jupyter Notebook

Professional Experience   8+ Years

York University, Toronto   **Research and Teaching Assistant**   **Jan 2020 – Aug 2022**

- Collected, cleaned, and transformed data to get insights using **Excel** and **Python** and presented the findings using PowerPoint
- Created summarized **dashboards** and automated them for routine **presentation** purposes with **BI tools**
- Did **Statistical regression analysis** to get insights from the data and developed machine learning methods for object detection.

24 7 Technologies, Nebraska, USA   **Data and Business Analyst**   **Sept 2017 – Jan 2020**

- **Extracted** data using SQL **queries** for further analysis with **BI tools** to track **KPIs** and **performance** indicators
- Developed **ETL** process of **SQL** to aggregate data and demonstrated the ability to conduct thorough **troubleshooting**
- Conducted **EDA** and created **visualizations** using **Python Libraries** to help make **performance driven decisions**
- Developed **reports** and self-service dashboards to **gain insights** and increase operational efficiency using **BI tools.**

Delhi University, New Delhi, India   **Assistant Professor, Physics & Electronics**   **Jan 2013 – Sept 2017**

- Taught Network Analysis, **Python**, Mathematical Physics to undergraduate students and helped them in completion of projects
- Created **reports** for administrative purposes using **MS-Excel**, prepared lessons for students using PowerPoint
- Developed **leadership**, problem solving and **communication** skills by providing guidance to 300+ students.

Projects

Flower Detection App. | University of Toronto |Access Link
Developed an app to allow users to upload an image and give results for the uploaded Image

- **Tools used:** Python, Sci-kit Learn, TensorFlow, Flask, Web scraping, HTML, JavaScript, Machine learning and PowerPoint
- Collected flower images from Google Images, Pixabay and Flickr using **web scraping** and **API** calls
- Developed machine learning model with 79% accuracy using **Tensor Flow** and **Convolutional Neural Network (CNN)**.

Interactive visualizations for Canadian Rental Market | University of Toronto |Access Link
Developed and deployed an app for Canadian rental market analysis with multi tab dashboard.

- **Tools used:** Python, Flask, NumPy, Pandas, SQL, MongoDB, HTML, JavaScript, CSS, Excel
- **ETL** data in **relational** and **non-relational** databases house and retrieve the data and further built **Flask** based App
- Used **JavaScript libraries** such as D3.js, leaflet, charts.js for creating **interactive** muti tab **dashboards.**

ETL IMDB | University of Toronto | Access Link
Extracted IMDB data to create API end points

- **Tools used:** Python, Flask, NumPy, Pandas, SQL, Web scraping, PostgreSQL, SQL Alchemy
- Used **Python** package 'Beautiful Soup' for **web scraping** IMDB to extract information
- **Transformed** data using Python & created **relational database** using **PostgreSQL** to query & get **API** end points using Flask.

Rental Market Analysis | University of Toronto | Access Link
Conducted exploratory data analysis for rental analysis

- **Tools Used:** Excel, Python, Matplotlib, Pandas, NumPy, Seaborn, API, PowerPoint, Power BI, Tableau
- **Cleaned** and **transformed** data for **visualizations** using Excel and Python
- Created visualizations to get the **market trends** over the past five years with Pandas and Matplotlib.

Other Achievements

- Secured **2nd position** in MTech. Applied Optics batch of 2012 at IIT Delhi
- Secured all India rank 21 out of 100K plus in the National Eligibility Test (NET) for Lectureship in India
- Secured all India rank 427 out of 50K plus in the Graduate Aptitude Test in Engineering (GATE).