

# Rimple Poonia Dabas

**Data Analytics** – University of Toronto | **MTech** – IIT Delhi, India | **MSc. (Physics)** – Panjab University, India **Toronto, Canada** | Email: [rimpledabas@gmail.com](mailto:rimpledabas@gmail.com) | Ph: +1 (437) 229 6601 | Permanent Resident in Canada **GitHub**: <https://github.com/RimpleDabas> | **LinkedIn**: [www.linkedin.com/in/rimpledabas](http://www.linkedin.com/in/rimpledabas)

Analyst with background in Physics and research. Performance driven business analytics professional experience encompassing Data Science, Analytics, Statistical modeling, and BI Integration in different industries. Master's degree from IIT Delhi (Top 10 IT College in India) and certificate from University of Toronto in Data Analytics and Visualizations. Team oriented individual with strong organizational, administrative, and analytical skills.

## TECHNICAL SKILLS

**Languages:** Python, SQL, JavaScript, HTML, MATLAB, NOSQL, VBA

**Applications:** Power BI, Tableau, MySQL, PostgreSQL, API, Flask, MongoDB

**Tools:** Excel, PowerPoint, Scikit Learn, Pandas, NumPy, TensorFlow, Jupyter Notebook

## WORK EXPERIENCE

### Research and Teaching Assistant

2020-2022

York University, Toronto, Canada

- Collected, **cleaned**, and transformed data to get insights using **Excel** and **Python**
- Created **reports** and **presentations** to present summary of the findings with **PowerPoint**
- Created summarized dashboards and automated them for routine presentation purposes
- Did **Statistical** and **linear regression** analysis to get insights from the data
- Development of **machine learning** methods using **supervised learning** using Python and **Tensorflow**.

### Data and Business Analyst

2017-2020

24 7 Technologies, Nebraska, USA

- Extracted data using **SQL** queries for further analysis using **BI** tools and track **Key point Indicators**
- Developed **ETL** process of SQL to aggregate data and write stored procedures and views
- Compiled and **cleaned** data from various sources, analyzed the data to create in-depth **reports**
- Conduct **EDA** and created visualizations using **Python** to help make performance driven decisions.
- Developed reports and **dashboards** to gain insights and increase operational **efficiency**
- Created reports to help gain insights with **Power BI** and **Excel**
- Developed self service dashboards using **PowerBI** to help teams make decisions faster.

### Assistant Professor, Physics & Electronics

Delhi University, Delhi, India

2013-2017

- Taught Network Analysis, **Python**, C++, **Mathematical** Physics to undergraduate students
- Helped students in completion of projects using **programming** languages such as Python, Excel
- Created **reports** for administrative purposes using **MS-word** to keep track of students performances
- Prepared **presentations** for students using **PowerPoint** and gained strong **communication skills**
- Led class activities both large and small group to foster growth in course **concepts**
- Commended by professor and department chair for creative instructional activities and patience
- Developed **leadership skills** and provided guidance to 300+ students.

## PROJECTS

### Flower Detection App. | University of Toronto

Developed an app to allow users to upload an image and give results for the flower.

- **Skills** : Python, Sci-kit Learn, TensorFlow, Flask, Web scraping, HTML, JavaScript, HTML, Machine learning, PowerPoint

- Collected flower images from Google Images, Pixabay and Flickr using **web scraping** and **API** calls
- Used **Convolutional Neural Network (CNN)** for training the model with **TensorFlow** & Keras to get **79% accuracy**.

### Interactive visualizations for Canadian Rental Market | University of Toronto

Developed and deployed an app for Canadian rental market analysis with multi tab dashboard.

- **Skills:** Python, Flask, NumPy, Pandas, SQL, MongoDB, HTML, JavaScript,CSS, PowerPoint,
- Used **JavaScript** libraries such as D3.js, leaflet, charts.js for creating interactive **dashboards**
- Used Mongo Atlas for creating **non-relational database** to house and retrieve the data.

### ETL IMDB | University of Toronto

Extracted IMDB data to create API end points

- **Skills:** Python, Flask, NumPy, Pandas, SQL, Web scraping, PostgreSQL, SQL Alchemy
- Used **Python** package ‘Beautiful Soup’ for web **scraping** IMDB to extract information
- Created **relational database** using PostgreSQL for the top 250 IMDB TV series & Emmy awards.

### Rental Market Analysis | University of Toronto

Conducted exploratory data analysis for rental analysis

- **Skills:** Excel, Python, Matplotlib, Pandas, NumPy, Seaborn, API, PowerPoint
- 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.

## EDUCATION

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

## 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).