DIPESH PATEL

ML Developer | Data Scientist

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in **LinkedIn**
◯ **GitHub**
🌐 **Portfolio**

Student with Professional Experience in data analysis, programming, and mathematics, with a proven track record of extracting and visualising valuable insights from complex datasets. I possess an intellectual to transform data into actionable insights.

EDUCATION

University of Alberta (3rd year)   Sept 2021 — Apr 2025
Major: Computer Science   Minor: Mathematics
Courses: Programming, AI, Economics, MATH, STAT.

WORK EXPERIENCE

Government of Alberta
- Grants Support Tech (Data Analyst)   Sept 2023 – Present (Part-Time)
- Grants Support Tech (Data Analyst)   Jun 2023 – Sept 2023 (Internship)

- Performed Data extraction, Data Cleaning, Data Manipulation, Data Viz, and Data Analysis on daily basis.
- Regularly used **SQL** to extract and transfer data from **Oracle Database** to **SharePoint** - **Excel** and then made connection from SharePoint to **Power BI** to enable efficient, real-time data visualization and data analysis.
- Developed dynamic **dashboards** in Power BI and Excel, conducting comprehensive data analytics to derive actionable insights.
- Closely worked with departments to gain an in-depth understanding of the market trends, business strategy, processes, services, and the context in which the business operates.
- **Skills Developed**: Oracle, SQL, Power BI, Data Analysis, Excel, Dashboard, SharePoint, Data Viz, EDA.

Member of Undergraduate Artificial Intelligence Society
- A diverse student group that provides a supportive community for students interested in learning AI through regular online and in-person meetings, events, workshops, and tournaments.
- Got exposure to programming Artificial Intelligence systems such as Neural Networks and Reinforcement Learning, and then opportunity to apply the concepts in collaborative team projects.

PROJECTS

Sentiment Analysis of Customer Reviews (GitHub)
- Firstly, used **Beautiful Soup** to collect customer reviews from online platforms. Then, **cleaned the data** by removing noise and irrelevant data.
- A sentiment analysis model is built using **PyTorch** for classifying reviews into positive, negative, or neutral sentiments. **Data visualization** is performed to create informative charts, providing a visual representation of sentiment distribution and other patterns.
- Skills used: Python, PyTorch.

CERTIFICATIONS

- IBM Data Analytics
- Machine Learning – IBM
- DevOps on AWS - Amazon

SKILLS

Machine Learning:
- Regression,
- Neural Networks,
- Deep Learning,
- Clustering,
- Search & Planning.

Data Science:
- Data Mining,
- Data Exploration,
- Data Cleaning,
- Data Viz/Dashboards,
- Data Analysis.

MATH & STAT
- Probability
- Regression Techniques
- Calculus
- Linear Algebra
- Sampling & Distribution

Languages:
Python, Java, C++, Julia, R.

Database management:
MySQL, NoSQL (MongoDB), Oracle, PostgreSQL, Azure, AWS.

Dashboards:
Power BI, Tableau, Excel, Oracle, PowerPoint.

Libraries:
TensorFlow, Pandas, Sci-Kit Learn, PyTorch, NumPy.