SHREYA PEKHALE

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Linkedin | GitHub | Portfolio

Education

University of Alberta Edmonton, AB
Degree in Bachelor of Science with Specialization - Computer Science September 2020 - April 2025

Experience

PCL Construction | BI & Data Analytics Student Edmonton, AB | September 2024 - April 2025

- Leveraged ***Python*** and ***SQL*** for creating uniform datasets, significantly improving the accuracy and reliability of data across PCL's platforms, achieving an 80% ***optimization*** in query runtime.
- Developed custom analytics solutions using ***data modeling*** and ***data visualization*** in ***Power BI***, to enhance project performance and provide clear insights.

City of Edmonton | Data Science Student Edmonton, AB | January 2023 - August 2023

- Compiled and organized data for a comprehensive database of 15,000+ affordable housing units, improving efficiency by 20%.
- Developed 10+ interactive dashboards and reports using ***Tableau***, contributing to a 30% increase in data accessibility for stakeholders.

City Care Hospital & Research Center | Data Science Intern, Healthcare Analytics Nashik, India | May 2022 - August 2022

- Applied ***statistical analysis*** and ***machine learning algorithms*** to extract insights from patient data.
- Collaborated with medical professionals to enhance ***decision-making*** processes and optimize healthcare outcomes.

Skills

Programming Languages:	Python, Java, R
Tools / Platforms:	GitHub, PowerBI, Tableau, VSCode, SQL Server Management Studio, Oracle, Microsoft Azure, Apache Spark, Alteryx, TensorFlow, IBM SPSS
Databases:	MySQL, PostgreSQL, MongoDB

Projects / Open-Source

Movie DB Management System | Link *Python, MongoDB, SQL*

- Integrated ***MongoDB***, ***SQL*** & ***Python3*** to create a system similar to IMDB website.
- Enabled users to efficiently search for movies based on title, genre, actors, and more, enhancing the overall functionality and user experience.

Diabetic Retinopathy Detection | Link *CNN, Res-block, Jupyter*

- Developed a ***deep neural network*** model using ***CNN*** and ***Res-block*** to classify images into five categories: No_DR, Mild, Moderate, Severe, and Proliferative.
- Implemented functionality to display the model's prediction alongside the actual category for comparison.

Certifications

- Data Analytics Professional Certifcate - **Google**
- Agile Explorer - Powered by Agile at IBM - **IBM**
- Core Health Informatics - Digital Health Canada.
- AI in Healthcare Specialization - Stanford University.