SHREYA PEKHALE

Computer Science Student
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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

- Architected standardized datasets to enhance data integrity and ensure consistency across PCL's data platforms.
- Developed custom analytics solutions using data modeling and visualization to enhance project performance and provide clear insights, achieving an 80% optimization in data lakehouse performance.

University of Alberta | Undergraduate Teaching Assistant Edmonton, AB | January 2024 - April 2024

- TA for CMPUT 267 - Basics of Machine Learning
- Conducted lab sessions every week and assisted students in one on one and small group setting.

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

- Contributed to healthcare analytics initiatives as a Data Science Intern, applying 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.

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**
- The Complete Android Oreo Developer Course - **CodeStars**
- Agile Explorer - Powered by Agile at IBM - **IBM**
- Core Health Informatics - Digital Health Canada.
- AI in Healthcare Specialization - Stanford University.