

DIPESH PATEL

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PROFESSIONAL SUMMARY

Results-driven computer science student with excellent analytical and programming skills with a strong foundation in math, logic, and cross-platform coding. Eager to contribute to team success through hard work, attention to detail, and excellent organizational skills. Motivated to learn, grow and excel in the computer science industry.

SKILLS

Tools: Github, Visual Studio Code, MySQL, Eclipse, Xcode, VMWare, PyCharm.

Programming Languages: Java, SQL, Python, C/C++, HTML/CSS, PHP, Networking.

Operating Systems: UNIX, Windows, Linux.

Technical skills: Machine learning, Game AI, Algorithms, Data Structures.

Soft Skills: Communication, Teamwork, Time Management, Creativity, Problem-Solving, Willing to Learn, Patience, Flexibility, and attention to detail.

EDUCATION

University of Alberta

Computer Science (**Bachelor's Degree**)

SEP 2021- APR 2025(expected)

CERTIFICATION

Foundations of Data Science: K-Means Clustering in Python

- Implemented the principle steps of the K-means algorithm in Python
- Designed and executed a whole data clustering workflow and interpret the outputs.

Introduction to Relational Database and SQL

- Learned to work with a relational database using MySQL Workbench from Oracle.
- Used knowledge to do a personal data-management project.

WORK EXPERIENCE

WALMART ASSOCIATE

MAY 2022 – AUG 2022

Walmart Corporation, Edmonton, AB

PROJECTS

Navigation System uses Dijkstra's Algorithm

- Developed and design Navigation system (like Google Maps) Using python. The server is a C++ program that runs the graph search algorithm on a road network.
- Used Pre-given coordinate and articulate best route using Dijkstra's Algorithm.

Employee Payroll Management System

- This SQL database project is used for handling the salary system of companies.
- It keeps track of employees' salary, department, account details, attendance, and leave.
- Salaries are added with the help of employee data, attendance records, and leave taken