

# Krish Patel

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## Education

### Toronto Metropolitan University

Jan 2022 – Present

Bachelor of Science (Honours), Computer Science

- **Coursework:** Unix, C and C++, Algorithms, Operating Systems, Probability, Statistics, Software Engineering, Computer Organization 1 and 2, Data Science, Data Structures, Discrete Structures, Artificial Intelligence, Machine Learning, Web System Development, Computer Vision

## Experience

### Software Developer Intern

Burlington, Ontario

SyS Creations

May 2024 – Aug 2024

- Delivered technology solutions using **AWS**, **Azure**, **EC2**, **EMR**, and **Docker** to meet client needs.
- Developed AI and automation with **Python**, **TensorFlow**, **AWS Lambda**, and **Shell scripting**.
- Contributed to a tech-driven team with **Git** and **JIRA** for effective collaboration.

### Data Analyst Intern

Burlington, Ontario

SyS Creations

May 2023 – Aug 2023

- Gathered, organized, and analyzed datasets using **SQL**, Excel, and Python for analysis and insights.
- Utilized **AWS** (S3, Lambda) to manage data storage and automate pipelines, improving workflow efficiency.
- Created reports and dashboards with **Power BI** and **Tableau** to enhance decision-making.
- Used **Scikit-learn** and **TensorFlow** to identify trends, optimizing processes for data-driven decisions.

## Projects

### Portfolio Performance Analysis Dashboard

- Developed an interactive portfolio performance analysis dashboard using Power BI, **Looker**, and **HiveQL** to query and aggregate large datasets, providing actionable investment insights.
- Utilized **Data warehousing** techniques with **AWS S3** for data storage and **EC2** for processing.

### Stock Price Predictor with Upside Analysis

- Built a Stock Price Predictor using linear regression to forecast stock price movements.
- Analyzed financial ratios like P/E to evaluate the probability of 10% upside within 3 months.
- Managed data workflows using **Airflow** and processed large data sets with **PySpark** and **Hadoop**.

## Technologies

**Languages & Scripting:** Python, Shell Scripting, C++, C, C#, Java, JavaScript, HTML, CSS, Unix, Elixir, Prolog, Lisp, SQL

**Cloud & Data Engineering:** AWS (S3, EC2, EMR), Azure, PySpark, Hadoop, Airflow, Data Warehousing, ETL

**Tools & Frameworks:** Git, GitHub, CMD, NumPy, Eclipse, VS Code, Anaconda, Power BI, Google Analytics, AWS Lambda, Docker, TensorFlow, JIRA, Tableau, Looker

**Databases:** Oracle, MySQL, AWS RDS, HiveQL

## Accomplishments

Dean's List, Toronto Metropolitan University

2024