



Yashaswi Pandey

Data Science Graduate | Experienced in Programming, Analytics, and Machine Learning

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Summary

Data Science professional with a strong academic background in Applied Data Science from Syracuse University and hands-on experience in machine learning, NLP, and analytics. Proven in building deep learning models and data pipelines for projects ranging from sports analytics to language processing. Actively seeking full-time opportunities to leverage technical expertise and leadership skills in a dynamic, data-driven environment.

Education

Syracuse University, School of Information Studies
Masters in Applied Data Science
3.8 GPA

Expected Graduation - May 2025

Sheridan College, Faculty of Applied Science and Technology
Diploma in Computer Programming

January 2019 - June 2020

Dr. A. P. J. Abdul Kalam Technical University, Institute of Engineering and Technology
Bachelors in Computer Science and Engineering

August 2014 - June 2018

Experience

Tokyo Smoke
Sales Associate

September 2021 - April 2022
Toronto, Canada

- Exhibited expertise in 150+ products, delivered tailored recommendations and addressed customer inquiries.
- Executed strategic marketing initiatives, resulting in 15% increase in customer acquisition and retention.
- Managed Point-of-Sale transactions, ensuring accuracy in cash and electronic payment processing.

Joeyco
Dispatcher

August 2020 - August 2021
Toronto, Canada

- Optimized last-mile delivery operations, reducing average delivery time by 65% by utilizing routing algorithms.
- Established efficient communication channels between drivers, warehouse personnel, and management.
- Resolved customer inquiries promptly, improving satisfaction rates by 40%.

Mobitrail
Intern

August 2018 - October 2018
Mumbai, India

- Engineered document upload feature for chatbot using Python, contributing to project milestone completion.
- Devised testing procedures to enhance performance and security compliance, reducing bugs by 15%.
- Facilitated effective decision-making through stakeholder communication.

Korbose Technologies
Intern

June 2017 - July 2017
Noida, India

- Developed responsive, cross-browser compatible webpages using HTML, CSS, and JavaScript.
- Provided PHP-based server-side support and conducted comprehensive web application testing.
- Improved server uptime by 10% through efficient issue resolution.

Skills

Programming Languages

Python, R, Julia, SQL, Java, C, C++, CUDA

Tools

MSSQL, Azure Data Studio, Tableau, Power Bi, Microsoft Office 365

Framework/Modules

Pandas, Numpy, Matplotlib, Scikit-learn, Tensorflow, Pytorch, Hugging Face, ggplot2

Projects

Panini Parser

November 2024 - December 2024

- Developed a comprehensive Python-based NLP pipeline using Hugging Face libraries to preprocess, clean, and tokenize large datasets of English translations from various Indian philosophical scriptures, ensuring efficient data handling and preparation for model training.
- Trained a GPT-2 model on English translations of ancient Indian scriptures, such as the Mahabharata and Bhagavad Gita, to generate text reflective of their linguistic style and philosophical themes.
- Enhanced model performance by designing a custom tokenizer tailored for niche vocabulary, optimizing tokenization efficiency, and fine-tuning the model's hyperparameters. These improvements led to better coherence, reduced repetition, and a more refined generation of text.

Python, Hugging Face, Transformers, GPT

FIFA Women's World Cup

October 2024 - December 2024

- Built interactive Tableau dashboards to analyze FIFA Women's World Cup data, uncovering player and team performance trends.
- Integrated and processed multi-source match data, applying R for advanced analytics and predictive insights.
- Translated complex data into actionable insights for analysts, coaches, and sports enthusiasts.

Tableau, R, SQL

Refinig Data Collection for Predicting Mushroom Toxicity

March 2024 - April 2024

- Built machine learning models to predict mushroom toxicity using tabular and image data, achieving 91% accuracy.
- Engineered deep learning pipelines with MobilNetV2 for image classification, but tabular models outperformed it.
- Provided actionable insights for researchers and app developers on optimizing data collection methods to improve predictions.

Python, scikit learn, MobilNetV2

Messi at Barcelona: A Career in Numbers

November 2023 - December 2023

- Engineered a Python-based data pipeline using Statsbombpy/mplsoccer to preprocess soccer data on Messi's Barcelona career.
- Performed an era-based analysis by segmenting his career into four phases and creating advanced visualizations.
- Collaborated in a cross-functional team to convert complex analytics into actionable scouting and match preparation strategies.

Python

Leadership

Coding Syndicate of Sheridan

May 2019 - May 2020

President

Sheridan College

Led the Coding Syndicate, organizing weekly programming workshops and strategic planning sessions. Facilitated collaborations with Toastmasters and WISE clubs, resulting in 240% membership growth. Coordinated hackathons, contributing to multiple competition wins in Ontario. Served as key liaison between student union and faculty for club initiatives.

Media Team

May 2019 - May 2020

President

Institute of Engineering and Technology

Established and led campus media team, enhancing event coverage and student engagement. Developed partnerships with local media for content publication. Managed comprehensive reporting, photography, and videography of campus events, improving the institute's media presence and student involvement.