

SUMMARY

I am an AI/ML Engineer with over two years of hands-on experience in building smart, data-driven solutions through academic projects and research. I enjoy working with Python, SQL, and deep learning tools to create models that solve real-world problems. From designing predictive systems to deploying full machine learning pipelines, I'm passionate about turning complex data into meaningful insights that make a difference.

EDUCATION

Thompson Rivers University | Kamloops, British Columbia

September 2023 – April 2025

Post Baccalaureate Diploma - Applied Data Science | GPA: 3.96

Thakur Shyamnarayan Degree College, Mumbai University | Mumbai, India

August 2019 – May 2022

Bachelor of Science in Information Technology | GPA: 9.83

PROFESSIONAL EXPERIENCE

Application Developer (Full-Stack) | Scoopsense, Mumbai, India

July 2022 – August 2023

- I started by gathering requirements and understanding user needs to shape full-stack web applications using .NET (C#) and JavaScript, which increase user engagement by 20%
 - I carefully analyzed and optimized SQL Server databases to boost query speeds by 30%, improving overall system responsiveness
 - Overseeing the entire project lifecycle, I successfully delivered 5+ projects from initial planning through to deployment
 - Using data analysis, I identified feature improvements that raised usability by 15%, making the applications more intuitive for users
 - To ensure smooth releases, I maintained clean code with Git and improved the deployment process, cutting release times by 20%
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SKILLS

- **Data Engineering & Pipelines:** Data Pipelines, Data Extraction, Data Ingestion, Airflow, Containerization, Cloud Platforms, Azure, GCP, AWS, Selenium, Proxies
 - **Machine Learning & Modeling:** Model Selection, Pytorch, NLP, Embedding, Vector, CUDA
 - **Testing:** Test, Performance Testing, Web Scraping, Unstructured Data, Programming, Computer Science
 - **Soft Skills:** Management, Reliability, Supportiveness, Assistance, Written Communication, Leadership
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ACADEMIC EXPERIENCE (PROJECTS)

Smart Shift AI – AI-Powered Workforce Scheduling System

Time Series Forecasting | Python | TensorFlow | XGBoost | Flask | Docker | CI/CD | Git | LSTM | ML Pipelines

- Trained accurate LSTM-based time series models using TensorFlow and XGBoost, achieving 92% accuracy in workforce demand forecasting.
- Engineered a complete machine learning pipeline with data preprocessing (Pandas, NumPy), training, evaluation, and deployment. Deployed the model using Flask and Docker, ensuring efficient integration into production.
- Applied CI/CD practices and model versioning to streamline updates and ensure consistent delivery in live environments.
- Ensured reproducibility and clean collaboration through modular code structure, Git version control, and performance monitoring.

ICC Champions Trophy Cricket Analysis Dashboard

Power BI | DAX | Data Modeling | ETL | Data Visualization

- Developed an interactive Power BI dashboard to visualize historical match and team performance data using data modeling and ETL techniques.
 - Created custom KPIs and advanced visuals (bar/line charts, pie charts, slicers, drill-through) for in-depth trend and player performance analysis.
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LISENCES & CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification, DeepLearning.AI, Stanford University
- Fundamentals of Deep Learning, NVIDIA
- The Structured Query Language (SQL), University of Colorado Boulder

COVER LETTER

Sagar Prajapati
407-268 Nelson's Court
New Westminster, BC
sagarbmw1@gmail.com | +1 (236) 338-2232
6th June 2025

Hiring Team
Rosalind Advisors
Toronto, ON

Dear Hiring Team,

I am excited to apply for the AI/ML Engineer position as advertised. With over two years of hands-on experience building machine learning models, data pipelines, and AI-driven applications, I am confident I can contribute effectively to your expanding investment process by integrating cutting-edge AI and machine learning tools.

In my previous role as a Full-Stack Application Developer at Scoopsense, I collaborated with cross-functional teams to gather requirements and develop scalable software solutions. I built data ingestion pipelines, optimized SQL databases, and developed data-driven features that improved user engagement and system performance. Complementing this, my academic background in Applied Data Science from Thompson Rivers University has equipped me with strong fundamentals in machine learning, deep learning, and data engineering.

I have substantial experience writing production-quality Python code, leveraging frameworks like PyTorch and TensorFlow, and building robust ML pipelines including data cleaning, model training, evaluation, and deployment. I am skilled in web scraping using tools like Selenium and BeautifulSoup, and have worked extensively with cloud platforms (AWS, GCP, Azure), containerization (Docker), and CI/CD workflows to ensure smooth, scalable deployments. Additionally, I am comfortable managing GPU servers and optimizing training and inference performance using CUDA.

I am particularly drawn to this role because of its focus on applying AI and ML to real-world investment workflows, and the opportunity to work directly with the portfolio manager and CEO. I thrive in environments that value deep technical understanding combined with independent problem-solving, and I am eager to bring my skills and passion for AI to help advance your investment research and decision-making.

Thank you for considering my application. I look forward to the opportunity to contribute to your team and further discuss how my background aligns with your goals.

Sincerely,
Sagar Prajapati



Office of the Registrar
805 TRU Way
Kamloops BC Canada V2C 0C8
T: 250-828-5079 | F: 250-371-5960
transcripts@tru.ca | tru.ca

OFFICIAL TRANSCRIPT OF ACADEMIC RECORD

ID: T00733246

Date of Birth: 04-DEC

Date Issued: 05-MAY-2025

Record of: Sagar Mahendra Prajapati

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Issued To: Sagar Mahendra Prajapati
203, 1140, Hugh Allan Dr
Kamloops, BC V1S 1T2
Canada

Registrar

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Course Level: Undergraduate

Current/Last Studies:
Program: PB Dip Applied Data Science

Credential Awarded: PB Dip Applied Data Science Apr-2025

SUBJ NO.	COURSE TITLE	CRED	GRD	PTS	R
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INSTITUTION CREDIT:

Fall 2023 (Sep-Dec)

ADSC 1000	Statistical Data Analysis	3.00	A-	11.01	
ADSC 1010	Data Viz/Manipulation	3.00	A-	11.01	
ADSC 1910	Applied Data Science	3.00	A+	12.99	
CMNS 1290	Intro to Professional Writing	3.00	B+	9.99	
COMP 1110	Intro to Computer Programming	3.00	A+	12.99	
Total Earned Credits		15.00			

Winter 2024 (Jan-Apr)

ADSC 2020	Regression for Applied Data	3.00	A-	11.01	
ADSC 2030	Design for Data Science	3.00	B	9.00	
ADSC 2110	Applied Data with Python	3.00	A+	12.99	
ADSC 2610	Database Systems I	3.00	A+	12.99	
ADSC 2910	Integrated Practice 1	3.00	A+	12.99	
Total Earned Credits		15.00			

Fall 2024 (Sep-Dec)

ADSC 3040	Simulations	3.00	A+	12.99	
ADSC 3610	Database Systems	3.00	B	9.00	
ADSC 3710	Artificial Intelligence	3.00	A+	12.99	
ADSC 3910	Integrated Practice -2	3.00	A+	12.99	
ADSC 3920	Applied Data Science Project I	3.00	A+	12.99	
Total Earned Credits		15.00			

Winter 2025 (Jan-Apr)

ADSC 4050	Multivariate Statistics	3.00	B+	9.99	
ADSC 4710	Machine Learning	3.00	A+	12.99	
ADSC 4720	Data Mining	3.00	A	12.00	
ADSC 4910	Integrated Practice -3	3.00	A	12.00	
ADSC 4920	Applied Data Science Project I	3.00	A+	12.99	
Total Earned Credits		15.00			

***** TRANSCRIPT TOTALS *****

	Earned Hrs	GPA Hrs	Points	GPA
TOTAL INSTITUTION	60.00	60.00	237.90	3.96
TOTAL TRANSFER	0.00			

***** END OF TRANSCRIPT *****