SAGAR PRAJAPATI
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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%

SKILLS

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.

LISENCES & CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification, DeepLearning.AI, Stanford University

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OFFICIAL TRANSCRIPT OF ACADEMIC RECORD

ID: T00733246 Date of Birth:04-DEC Date Issued: 05-MAY-2025

Record of: Sagar Mahendra Prajapati

Issued To: Sagar Mahendra Prajapati
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Kamloops, BC V1S 1T2
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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
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			

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