

# DIPESH THA SHRESTHA

Everett, MA | [dipeshthashrestha1@gmail.com](mailto:dipeshthashrestha1@gmail.com) | [linkedin.com/in/dipesh-tha-shrestha](https://www.linkedin.com/in/dipesh-tha-shrestha) | [dipeshthashrestha.com.np](https://dipeshthashrestha.com.np) | [github.com/dipeshthashrestha](https://github.com/dipeshthashrestha)

**Data Analyst | Data Engineer | MS Computer Science | Python, SQL, Machine Learning, Tableau**

## PROFESSIONAL SUMMARY

---

Recent Master's graduate in Computer Science with strong skills in data analytics, SQL, Python, machine learning, and dashboard development. Experienced in building data-driven projects using real-world datasets, including data cleaning, exploratory analysis, predictive modeling, and visualization. Background in digital marketing, business operations, and project coordination, with interest in Data Analyst, Data Engineer, Business Intelligence, and Machine Learning Analyst roles. Authorized to work full-time under F-1 OPT.

## TECHNICAL SKILLS

---

**Programming & Data Analysis:** Python, SQL, Pandas, NumPy, Excel

**Visualization:** Tableau, Matplotlib, Dashboard Design

**Machine Learning:** Scikit-learn, XGBoost, Regression, Classification, Feature Engineering, Model Evaluation

**Databases & Data Engineering:** MySQL, Relational Databases, ETL Concepts, Data Cleaning, Data Transformation

**Tools:** Git, GitHub, Jupyter Notebook, VS Code

**Business Analytics:** SEO Analytics, Digital Marketing Analytics, Google Analytics

## EDUCATION

---

**Fitchburg State University - Fitchburg, MA**

Master of Science in Computer Science | Graduated: May 2026

**Sunway International Business School**

Bachelor's Degree in Computer Science

## CERTIFICATIONS

---

- Google Data Analytics Professional Certificate - Coursera(on-progress)
- Claude Code 101 - Anthropic
- Ethics and Governance of AI - WHO

## PROJECTS

---

**Used Car Price Prediction System** | *Python, Pandas, NumPy, Scikit-learn, XGBoost*

- Built an end-to-end machine learning project to predict used vehicle resale prices using real-world listing data.
- Cleaned and transformed vehicle year, mileage, condition, manufacturer, model, location, and price data.
- Performed exploratory analysis and developed regression models to estimate fair market prices and compare model performance.

**UEFA Champions League Data Analysis** | *Python, Pandas, SQL, Tableau*

- Analyzed UEFA Champions League data to identify team performance trends, scoring patterns, and match outcomes.
- Cleaned and organized match, team, player, and goal-related data for analysis using Python and SQL.
- Created visualizations to compare clubs, seasons, and key performance indicators across the competition.

**Cybersecurity Threat Detection Project** | *NIST Cybersecurity Framework, Risk Assessment, Security Policy*

- Developed a white paper proposing a comprehensive cybersecurity program to strengthen organizational security posture.
- Proposed security policies, access control measures, risk management practices, and incident response strategies.
- Recommended continuous monitoring and reporting metrics to improve threat response and regulatory compliance.

## EXPERIENCE

---

**General Manager** | *Dev Water Solution - Nepal* | Oct 2022 - Oct 2023

- Managed daily business operations, customer communication, and workflow coordination for a water treatment business.
- Coordinated with team members, vendors, and customers to support smooth project execution and service delivery.
- Used problem-solving and analytical thinking to improve daily operations and business decisions.

**Digital Marketing and Analytics** | *Pedals Group - Nepal* | May 2022 - Aug 2022

- Supported digital marketing campaigns, SEO activities, and online content performance tracking.
- Assisted with keyword research, content updates, social media marketing, and website visibility improvements.
- Analyzed campaign performance, audience engagement, and digital analytics to support marketing decisions.

**Dining Services Student Worker** | *Fitchburg State University - Fitchburg, MA* | 2025 - 2026

- Supported daily dining operations in a university environment while balancing graduate coursework.
- Collaborated with team members to maintain efficient service, organization, and customer support during busy hours.

## WORK AUTHORIZATION

---

**F-1 OPT - Authorized to work full-time in the United States**