

SHRADDHA SHRESTHA

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SUMMARY

Graduate student in Data Science with experience in developing machine learning models, predictive analytics, cloud computing, and android app development. Proficient in software testing, design principles, data analysis, AI, ML, NLP, Reinforcement Learning, cloud technologies (AWS, Azure), and Git.

EDUCATION

University of New Haven || **MSc Data Science (GPA: 3.9)** || Graduation Date: May 2025 || West Haven, CT

London Metropolitan University || **BSc (Hons) Computing (GPA: 4)** || Graduation Year: June 2022 || Pokhara, Nepal

SKILLS

Languages: Python (Numpy, Pandas, Matplotlib, Seaborn, Flask, Scikit-Learn, TensorFlow, Keras), Dart

Tools: PowerBI, Tableau, SQL, Excel, EDA,

Big Data & Cloud Technologies: Amazon Web Services (Redshift, Glue, Lambda, EC2, EMR, S3), Databricks, Hadoop,

Soft Skills: Clear Communication, Team Collaboration, Problem-Solving, Leadership, Client Management, Continuous Learning

WORK EXPERIENCE

University of New Haven

West Haven, CT

Graduate Assistant – Data Analyst

Sep 2023 – Present

- Cleaned, filtered and analyzed last 5 years of visa data from the US government website using Excel, and created an interactive PowerBI dashboard, improving decision-making efficiency by 40%
- Streamlined data integration between the Comon Ap platform and Slate, automating workflows and optimizing data flows to reduce processing time by 30%.
- Managed and ensured the accuracy of live student data for 5000+ applicants in Slate, applying advanced data validation techniques to maintain 99.9% data accuracy.
- Filtered 12000+ applications per annum based on program requirements, supporting admissions decisions, and enhancing enrollment accuracy with 99.7% resolution of inquiries.

Downtown Evening Soup Kitchen, Inc.

New Haven, CT

Data Analyst

Aug 2024 – Dec 2024

- Analyzed program impact with Power BI & Python, improving decision-making by 30%, and built real-time dashboards for donations and resource allocation.
- Processed 500K+ records with Jupyter Notebook & AWS, ensuring 95% accuracy, while optimizing ETL and SQL performance and enhancing data management.
- Created 10+ interactive dashboards, reducing reporting time by 43%, and monitored homeless populations for data-driven support and tracked 20+ KPIs with real-time dashboards, boosting efficiency by 25%.

Black Tech Pvt. Ltd.

Pokhara, Nepal

Quality Assurance Engineer

Sep 2019 – Nov 2021

- Worked in an Agile environment, creating test cases (verification and validation testing) and using Selenium for automation testing to ensure quality control and thoroughly validated software features and gathered requirements, maintaining quality standards and delivering error-free solutions

PROJECTS

InceptFace (Facenet, PyTorch, Gradio)

Nov 2024 – Dec 2024

- Facial recognition system using InceptionResNetV1, MTCNN for detection, custom dataset, and preprocessing, trained with Adam optimizer.

Trading Strategy Planner (AWS, Redshift)

Mar 2024 – May 2024

- Developed an automated data processing pipeline using Yahoo Finance API and AWS services (Glue, Lambda, SQS, S3) to handle over a million records from S&P indices, integrated with Redshift for advanced analytics and ML model training for business strategies.

Himalayan Climbing Trends Analysis (Power BI)

Dec 2023 – Jan 2024

- Created a Power BI dashboard to analyze climbing trends using data from 3,854 summit attempts. Identified Everest as the most popular peak and autumn as the top climbing season, with insights on 185 summit deaths.