

Roshni Dubey

+91-8471039887

roshnie1101@gmail.com

https://rb.gy/msmef8

https://github.com/Roshni011

EDUCATION

- Guru Jambheshwar University of Science and Technology** Sep 2021 – Jul 2025
Bachelor of Technology in Computer Science (AI&ML) and Engineering: CGPA - 8.10/10.00
- St. Xavier's School** Apr 2018 – Mar2021
Intermediate: Percentage - 97.8
Matriculation: Percentage - 93.6

RELEVANT COURSEWORK

- Data Structures
- Software Testing
- AI & Machine Learning
- Deep Learning
- DBMS/SQL
- Data Analysis
- WebD
- Power BI
- TensorFlow
- Data Mining
- Prompt Engineering
- Data Labeling

PROFESSIONAL WORK EXPERIENCE

- Code Alpha** June 2023 - Jul 2023
Data Science Intern
 - Collaborated with a cross-functional team to analyze and interpret complex datasets, contributing to the development of actionable insights and data-driven strategies.
 - Played a pivotal role in shaping insights and devising data-driven strategies, ensuring informed decision-making and strategic planning for optimal outcomes (95% success rate).
- Hamari Pehchaan** July 2022 - Aug 2022
Content Writer Intern
 - Collaborated with the 8-10 marketing teams to create compelling copy for promotional materials, including email campaigns, social media posts, and website content. Demonstrated strong communication skills and creativity, contributing to a 30% increase in engagement for marketing campaigns.

PROJECTS

- VQA (Visual Question Answering) | Vilt Model, FastAPI** May 2024
 - Designed and implemented a VQA system utilizing ViLT, achieving an accuracy of 82% on the dataset.
 - Handled preprocessing of over 200K images and corresponding questions to reduce processing time.
 - Trained the ViLT model on a GPU cluster achieving a 25% reduction in training time with parallel processing.
- Sentiment Analyzer | NLTK, SpaCy, TextBlob** September 2023
 - A project which helps in analyzing customer's sentiments based on the review given by the customer.
 - Explored various models, optimizing for accuracy and real-time performance.
 - Employed NLTK and SpaCy for text preprocessing, including tokenization and stemming.
 - Integrated the model into a user-friendly Flask web interface for sentiment predictions.
- Driver Drowsiness Detection | Python, OpenCV** July 2023
 - Spearheaded the development of an intuitive application which successfully detected drowsiness in over 95 percent of test cases by calculating the eye aspect ratio (EAR) and detecting head nodding.
 - Integrated the model into a real-time system using OpenCV, providing instantaneous drowsiness alerts.
 - Employed machine learning techniques with scikit-learn or TensorFlow to classify drowsiness based on extracted features.

SKILLS

- C++
- Python & R
- HTML/CSS
- JavaScript
- Figma
- Microsoft Excel
- Kotlin
- Tableau
- Java
- SQL
- MongoDB
- Django
- ReactJS
- Data Science
- Data Analytics
- Data Visualization

AWARDS & CERTIFICATIONS

- Among top 3 Host & Influence speaker of various events organized such as **Talaash, Samvaad**, 2023
- Successfully participated in the **IIT Mandi Catalyst Hackathon**, securing a position among the top 9 teams out of 960 teams
- Participated in Frame it like this – **The Red Brick Summit** organized by **IIM Ahmedabad**, 2023
- Coordinator, Entrepreneurship Club**
Guru Jambheshwar University, Hisar, Haryana
- Member of National Service Scheme(NSS)**
Guru Jambheshwar University, 2021-2023