

Education

Bachelor of Technology in Computer Science Amity University, Gwalior, Madhya Pradesh | August 2020 - Present

- Cumulative GPA: 8.42/10.0
- Minor degree in Artificial Intelligence and Machine Learning

Professional Experience

Machine Learning Engineer Omdena | August 2022 - October 2022

- **Collaborated with stakeholders** to collect data from various sources
- Designed and built large scale **distributed systems** for storing and processing data using **MySQL**
- **Led Data Collection and Engineering team**, conducted data exploration, data cleaning, preprocessing and engineering on large dataset using deep learning and NLP techniques
- Improved **accuracy 20%** by resolving intricate delimiter-related challenges and reducing the manual work by 75%

Key Skills

- Python & ML libraries (scikit-learn, NumPy, pandas, cv2, TensorFlow, Flask, Matplotlib, Seaborn)
- Machine Learning (Regression, Classification, Clustering, Deep Learning, Predictive models, Data visualization)
- Microsoft Office (Microsoft Excel, Microsoft PowerPoint)
- Cloud platforms (Intel Dev Cloud, AWS)
- MySQL
- Tableau
- Statistics
- Git

Certifications

Data Science Foundation Certification (Infosys SpringBoard)

Python Programmer Certification (Infosys SpringBoard)

Machine Learning Training (Internshala)

Academic Projects

Navigation system for blind people | October 2022 - December 2022

- Spearheaded a team of 5 members and employed semantic segmentation to accurately classify pixels as "walkable" or "not walkable." Engineered backtracking algorithms in Python to determine optimal safe route
- Attained a notable **94.2% accuracy** and presented the prototype at VIIC-2022, earning a spot as **top 10** out of 87 teams

Real time crime detection system | June 2022 - August 2022

- Coordinated a team of 6 students to develop a real-time crime detection system, achieving an impressive **85.6% accuracy**.
- Analysed large data of **25GB** UCF crime dataset, deploying LSTM-CNN hybrid neural network for intelligent, on-the-fly crime prediction. Demonstrated the model and won **1st prize** in the national MP Police Hackathon.

Personal Projects

Instacart market basket analysis and product recommendation

Customer churn prediction

Netflix data analysis

King country house sales analysis