

PRIYANSHU PRIYADARSHI

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SKILLS

- **Languages:** C++, Java, Python
- **Frameworks:** HTML, CSS, JAVASCRIPT
- **Tools/Platforms:** MySQL, Figma
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

PROJECTS

Autonomous Driving Simulation

- Objective: This study makes several contributions to the field of autonomous driving.
- Tech Stack: Python, TensorFlow, OpenAI Gym, CARLA Simulator
- Key Insights: Explored reinforcement learning algorithms like Deep Q-Network (DQN), Deep Deterministic Policy Gradient (DDPG), and Proximal Policy Optimization (PPO) for continuous control tasks.
- Outcome: Demonstrated the effectiveness of reinforcement learning methods in improving decision-making in autonomous vehicles.

Building Robust Machine Translation and Document Search Systems

- Objective: To develop a hybrid model combining neural networks and vector space models for improved machine translation and document retrieval.
- Tech Stack: Python, TensorFlow, scikit-learn, Genism
- Key Insights: Leveraged models like TF-IDF, Word2Vec, and Glove for vector representation; integrated with neural networks to enhance translation quality and search accuracy.
- Outcome: Achieved higher robustness and relevance in translation and information retrieval tasks.

CERTIFICATES

Data Structures and Algorithms - Self Paced (C++), GeeksforGeeks	June–July 2024
Understanding Cloud Fundamentals, LinkedIn Learning	July 2023
Fundamentals of Management, Coursera	March 2024
NASA Space Apps Challenge – Participation Certificate, NASA Space Apps	January 2025

ACHIEVEMENTS

Achieved 4 stars on HackerRank in Programming
Streak Badges: Earned by solving problems consecutively in LeetCode (50 Days)

EDUCATION

Lovely Professional University Bachelor of Technology - Computer Science and Engineering; CGPA: 5.34	Punjab, India Since August 2020
Red Rose School Intermediate; Percentage: 73%	Castair Town, Deoghar April 2019- March 2021
Red Rose School Matriculation; Percentage: 75%	Castair Town, Deoghar April 2018- March 2019