Rishu Jaiswal

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Objective

Enthusiastic Computer Science student with a focus on Artificial Intelligence, skilled in machine learning and DSA, and eager to deepen expertise in NLP and deep learning. Looking for opportunities to apply knowledge and drive impactful innovations in AI and technology.

Education

B.Tech in CSE (Artificial Intelligence) — **CGPA: 8.2/10.0**
Amrita Vishwa Vidyapeetham, Bangalore, India — **Expected: 2026**

Higher Secondary School — **CGPA: 8.4/10.0**
Kathmandu Model Secondary School, Kathmandu, Nepal — **January 2022**

Secondary School — **CGPA: 8.87/10.0**
Delhi Public School, Lipnimal, Bara, Nepal — **June 2019**

Skills

- **Programming Languages:** Python - Proficient; Java, C - Intermediate proficiency; MATLAB - Basic knowledge
- **Database:** SQL - Intermediate proficiency
- **Data Analysis:** Proficient in Data Cleaning & Visualization; Proficient in Exploratory Data Analysis (EDA)
- **Machine Learning:** Proficient in Model Training, Hyperparameter Tuning, Feature Engineering
- **Tools:** Proficient in Jupyter Notebook, Tableau, Microsoft Excel; Git - Intermediate proficiency
- **Soft Skills:** Problem Solving, Analytical Thinking, Collaboration, Communication - Proficient

Projects

Dynamic Face Interaction Simulating 3D Spatial Relationship — **2024**
Tools/Technologies: Mesa, OpenCV
Developed a dynamic face interaction system simulating 3D spatial relationships. Integrated computer vision techniques to track and analyze facial landmarks dynamically. Published an IEEE paper based on this project.

Music Genre Classification Using Spectral Features and MFCC — **2024**
Tools/Technologies: Python, Scikit-learn, TensorFlow
Conducted a comparative study between deep learning and machine learning approaches for music genre classification. Applied spectral features and MFCC for feature extraction and model training.

Certifications

- **Introduction to Artificial Intelligence** - LinkedIn Learning — **Jan 2024**
- **Python for Data Analysis and Visualization** - Udemy — **Dec 2023**

Achievements

- **2nd Runner-Up – AI Arena Hackathon 2024** – Conducted by IEEE-CIS

Publications

- **Dynamic Face Interaction: Simulating 3D Spatial Relationships with Mesa and OpenCV**
  presented in the Fifteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT), held at IIT-Mandi, in association with IEEE Electronics Packaging Society, during June 24th - 28th, 2024.

Languages

- **English:** Fluent **Hindi:** Fluent