

BIRENDRA SHARMA

Computer Engineer passionate about ML, NLP, and Full-Stack Development
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[portfolio](#) | [github](#) | [linkedin](#)

EDUCATION

Tribhuvan University, Purwanchal Campus (Affiliated)

Bachelor of Engineering in Computer Engineering

Percentage: 78.15%

Dharan, Nepal

March 2021 – March 2025

Trinity International College

Higher Secondary Education (Science Stream: PCM)

CGPA: 3.68

Kathmandu, Nepal

June 2018 – June 2020

EXPERIENCE

SSRC Data Science Fellowship 2024 | Data Fellow

Remote / Online | May 2024 – Jan 2025

- Selected for a national-level data science fellowship with access to DataCamp premium resources.
- Participating in workshops, community projects, and collaborative learning via WhatsApp.

SKILLS

| | |
|------------------------|---|
| Programming Languages: | Python, C/C++, JavaScript, Java, SQL, HTML/CSS |
| Libraries/Frameworks: | Django, React, Pandas, Transformers, NumPy, Scikit-learn |
| Tools / Platforms: | VS Code, Docker, Git/GitHub, Google Colab, Jupyter, Huggingface |
| Databases: | MySQL, PostgreSQL, MongoDB |
| Concepts: | Machine Learning, Deep Learning, REST APIs, NLP, OOP, Agile |

PROJECTS (SOFTWARE + DATA SCIENCE)

Automated MCQs Generation using Natural Language Processing [GitHub]

Django, Transformers

- Fine-tuned transformer models to generate MCQs from academic texts for automated exam preparation.

Crop and Fertilizer Recommendation System [GitHub]

Flask, ML, MySQL

- Built a machine learning model to suggest optimal crops and fertilizers based on soil and climate inputs.

Sticky Notes [GitHub]

Django, HTML, CSS

- Developed a blogging platform focused on sharing ML and data science insights.

CERTIFICATIONS

- Associate Python Developer — **DataCamp**
- Machine Learning Specialization (Supervised, Unsupervised, and Advanced Learning Algorithms) — **Coursera (Andrew Ng)**
- Associate Data Analyst in SQL — **DataCamp**
- Learn Data Analysis with pandas (2024) — **Udemy**
- Associate Data Scientist — **DataCamp**

HONORS & AWARDS

- Faculty Topper (Multiple Terms)
- Awarded Full Scholarship for 4 years of Bachelor's study