

PROFILE

Passionate Data Science student dedicated to exploring insights from data through statistical analysis and machine learning. Developing skills in data wrangling, visualization, and predictive modeling through coursework using Python, R, and SQL. Combines a strong analytical foundation with enthusiasm for solving real-world problems. Eager to apply academic knowledge to create innovative, data-driven solutions in a technology-driven environment.

PROJECTS

Krishak Mobile App – UI/UX Design and Crop Recommendation System

Technologies: Python (Scikit-learn, Pandas, NumPy)

- Designed and enhanced the Krishak mobile app to streamline farmers' access to machinery rentals, worker hiring, and data-driven crop recommendations.
- Developed a Random Forest Classifier to recommend crops based on temperature and humidity.

Diabetes Prediction Using Machine Learning

Technologies: R, caret, ggplot2, corrplot.

- Developed a logistic regression model in R to predict diabetes risk using a publicly available dataset.
- Performed exploratory data analysis (EDA) with ggplot2, including histograms and correlation plots, to identify key predictors like glucose and BMI.

[Link](#)

Spam Email Classification Using Machine Learning

Technologies: Python, scikit-learn, pandas, numpy.

- Developed a logistic regression model in Python to classify emails as spam or ham, achieving 96.5 % accuracy and 98.05% F1 score on test data.
- Preprocessed text data using TfidfVectorizer for feature extraction and pandas for handling missing values in a dataset of 5,572 emails.

[Link](#)

EDUCATION

IIMS College | Kathmandu, Nepal

Bachelor in Computer Science (Hons)

2022 - Present

Specialization : Data science

- Expected Graduation: 2026

Nepalaya Hss College | Kathmandu, Nepal

Bachelor in Computer Science

2019 - 2021

- GPA: 3.7
- Major: Computer Science

Shree Palung English School | Palung, Makawanpur, Nepal

Secondary Education Examination

- GPA: 3.3

TECHNICAL SKILLS

- Programming Languages: Python, R, SQL
- Tools: Tableau, Jupyter Notebook
- UI/UX Design: Figma, Balsamiq, Wireframing, Prototyping,
- Web Development: HTML5, CSS3, JavaScript, React, Responsive Web Design, Bootstrap
- Design Tools: Adobe Photoshop, Canva
- Version Control: Git, GitHub

SOFT SKILLS

- Creativity
- Collaboration
- Problem-Solving