

PRAJWAL THAPA

As a passionate AI student, I am enthusiastic about exploring the potential of machine learning and deep learning to solve real-world problems. With a strong foundation in data analysis and a drive to leverage algorithms and ML techniques, I am dedicated to developing my skills and expertise in the field.



CONTACT

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SKILLS

Programming

- Python
- Django
- Tensorflow
- Pytorch
- JavaScript
- CSS
- SASS
- ReactJS
- React Native
- Matlab
- Flutter
- Docker

Technical Skills

- Statistics
- Probability
- Algebra
- Calculus
- NLTK
- Spacy
- Tableau
- YOLO
- Apache Hadoop
- ETL
- NumPy
- Scipy
- Pandas
- SQL
- Restful apis
- Tableau
- LaTeX
- Microsoft Office

WORK

- March 2024 - Present
 IceBRKR Solutions, Sanepa, Kathmandu **Mid-Level ML Developer**
 - Develop and optimize AI models for performance and accuracy.
 - Integrate AI solutions into existing systems with cross-functional teams.
- October 2023 - March 2024
 Kathmandu University, Dhulikhel, Nepal **Research Assistant**
 - Pre-process large datasets, ensuring quality and consistency for model training.
 - Design and optimize deep learning models through experiments.
 - Document research results and prepare reports for stakeholders.
- September 2022 - February 2023
 Readytowork-corp, Tokyo, Japan **Software Engineer**
 - Project management. requirement discussion with client
 - Building responsive websites and reusable components in ReactJS
 - Website development by using NextJS and typescript
- June 2021 - September 2022
 Truemark Technology, Kathmandu, Nepal **Associate Software Engineer**
 - Web development with React Js
 - Using Django rest api framework in Backend
 - Writing and Developing maintainable, clean and scalable code
- December 2020 - May 2021
 Axios Softwork, Banepa, Nepal **ReactJS Intern**

EDUCATION

- January 2023 - Present
 Kathmandu University , Nepal **M.Tech, Artificial Intelligence**
- November 2016 - December 2020
 NIST college, Banepa, Nepal **B.Sc. CSIT**

RECENT PROJECTS

- Nepalese Herb Detection Mobile Application** (Computer Vision)
Description: A mobile application to identify and provide information about Nepalese herbs
Technologies Used: DenseNetV2, Resnet, EfficientNetV3, OpenCV, Flutter
- Resume Matching Application** (Natural Language Processing)
Description: Application that matches resumes with job descriptions, employing NLP
Technologies Used: SpaCy, TF-IDF, Django, Cosine-Similarity, Pandas, ReactJS
- Air Quality Index (AQI) Prediction** (IoT)
Description: AQI prediction model using numbers of sensors
Technologies Used: Arduino Uno, MongoDB, MQ Sensors, MQTT
- Nepalese Crop Calendar** (Deep Learning)
Description: A mobile application for efficient prediction of vegetable prices
Technologies Used: (LSTM) networks, Scrapy, MongoDB Atlas, React Native

More Projects: <https://github.com/Prajwal247>