

# Sujan Sharma

ML Engineer Associate Trainee

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Machine Learning Engineer Trainee with a Bachelor's Degree in Computer Engineering. A dedicated and detail-oriented individual who is always eager to learn and take on new challenges. Transitted the field from a Front End Development to the field of Machine learning, I bring over a year's worth of experience in creating many user engaging web interfaces.

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## PROJECT EXPERIENCE

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### Major Project - Point Out Crops

- Practical Implementation and Model comparison and used most of the concepts regarding Deep learning and App development along with IOT.
- Got the highest accuracy of 93.47% with Resnet50 Model.
- Used Raspberry Pi to host the classification model and automate the rotation and spray of the motors.
- Made the simple wooden frame to show how it can be practically implemented.
- Technologies Used:
  - Python, Tensorflow, Django

### Advance Music Player

- Music player site and have a home UI similar to Spotify.
  - Most of the basic features of Instagram are implemented with the use of MERN stack.
  - People with different tastes in music can listen, share their views and also post their own.
  - Technologies Used:
    - Javascript, React Js, Node Js, MongoDB
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## CERTIFICATIONS

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- [Data Cleaning and Preprocessing with pandas](#)
  - [Advance SQL](#)
  - [React JS- Complete Guide for Frontend Web Development](#)
  - [Data Science Fellow \( Fellowship.ai, 2022\)](#)
  - [Machine Learning Nanodegree \( Fusemachines, 2022 \)](#)
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## WORK EXPERIENCE

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### **Machine learning associate trainee , Fusemachines Nepal**

Aug 2023 - Present, Full Time

- Learned about most of the basic principles for efficient coding pattern and optimization.
- Practiced most of the core concepts in Relational Database like SQL and PostgreSQL. And scaled up the understanding in Pandas with data cleaning and preprocessing processes.

### **Lecturer, Vedas College**

May 2023 - Present, Part Time

- At Vedas College I have been teaching two subjects, one is Computer architecture for CSIT 3rd semester and another one is Discrete structure for CSIT 2nd semester. My role involves delivering engaging and informative lectures, facilitating interactive discussions, and guiding students through hands-on practical exercises.

### **Front-end Developer, Treeleaf Technologies**

Nov 2022 - July 2023, Full Time

- Helped in building the help center page for a major product of the company.
  - Engaged in making Traffic violation record system more optimized and bug free, Helped in changing the architecture of the project.
  - Build most of the email templates by scratch for the major product. And had good contributions in dashboard and share-web app.
  - Got to familiar and worked on proto-buffer, optimized state management in react and npm packages, etc.
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## SKILLS

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- **Programming Language:** Python, Javascript
  - **Libraries:** Tensorflow, Scikit-Learn, Pandas, NumPy, Matplotlib, Pygame
  - **Framework:** PyTorch, React JS, Node JS
  - **Database:** SQL, MongoDB
  - **Version Control System:** Git
  - **Sequence Models:** CNN
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## TRAININGS

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- JavaScript and React Js (Genese Cloud Academy, 2020)
  - [Learn React Scrimba](#)
  - [100 days of Deep Learning](#)
  - [Machine Learning Algorithms](#)
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## EDUCATION

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- ❖ **Bachelors of Computer Engineering**  
Nepal Engineering College, PoU  
2017 - 2022  
**Pokhara University Full Scholarship Scholar**  
**Major/Elective subjects:**
  - ❖ Computer Networks
  - ❖ ICT Project Managements
  - ❖ Artificial Intelligence

- ❖ Image Processing and pattern recognition
- ❖ Bio-informatics
- ❖ Data Mining

❖ **Higher Secondary (+2) in Science**

Prerana Higher Secondary School, HSEB  
2015 -2017

**HSEB Full Scholarship Scholar**