AADITYA NEUPANE

94469 Deggendorf, Germany

https://github.com/aadityane93 | https://www.kaggle.com/neupaneaaditya
https://aadityaneupane.com | ne.neupane@gmail.com

EDUCATION

BS in Artificial Intelligence   **Expected Graduation - 2026**
Technische Hochschule Deggendorf (THD), Deggendorf, Germany

WORK/EXPERIENCES

Student Research Assistant | THD | Deggendorf   **Apr 2024 – Present**
- Participated in AI and ML research projects.
- Collected and processed data from edge devices and experimented various Data Transformation and Feature Extraction methods.
- Engineered scalable MLOps pipeline for large scale Relational Data.
- Developed Computer vision models for edge devices (eg. Fischertechnik Sorting Line)
- Documented and made Data Analysis and Model Performance Reports.

Student Teaching Assistant | THD | Deggendorf   **Oct 2024 - Present**
- Coded in LaTeX to create templates, documents, presentations, and other teaching materials.
- Converted the existing documents to a LaTeX format.

TECHNICAL SKILLS

- Python, OpenCV, Scikit-learn, TensorFlow, getML, Dask
- JavaScript, Express, React, Three.js
- CI/CD, GitHub, Gitlab, Docker, Azure DevOps
- C/C++, Micro-Python with Arduino, Esp32, Raspberry Pi
- HTML, CSS , Jupyter Notebook, Google Collab, Kaggle
- SQL, Postgresql, FastAPI
- R and R studio
- Linux (Ubuntu), PowerShell, Bash
- Microsoft Office Suite and 365, Photo editing: Photoshop, Video editing: Wondershare Filmora

LANGUAGES

- English: Full Professional Proficiency
- Nepali: Native speaker
- German: Limited Working Proficiency

PROJECTS

- **Quality-assurance-with-AI-fischertechnik** | Tensorflow, TFlite, OpenCV
  - Computer vision program for edge device (Fischertechnik Sorting Line)
- **Stroke Predictor** | Rasa, Streamlit, Html, CSS
  - ML web app to predict user's chance of having a stroke
- **Chatbot for University Canteen** | Python, Express, Socket.io
  - Chatbot for University Canteen using Node, Express, Socket-io and Python
- **Spam Filter** | Bs4, Scikit-learn, Nltk
  - Naïve Bayes Classifier, a machine learning based classification method to filter Spam emails.
- **Housing Price Predictor** | Scikit-learn, Matplotlib
  - Created Linear Regression Model to predict Housing Price.
- **Anti Distraction Extension** | JavaScript
  - Chrome Extension that Replaces Distractive videos on Youtube with Motivational Quote "Study hard"

COMMUNITY INVOLVEMENT

Gesellschaft für Informatik, *Member*   **Jan 2024 – Present**
University Clubs: Chess, Swimming   **Oct 2023 - Present**