

AADITYA NEUPANE

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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 based on the Weekly Canteen Menu.
- [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 a Motivational Phrase "Study hard".

COMMUNITY INVOLVEMENT

Gesellschaft für Informatik, Member

Jan 2024 – Present

University Clubs: Chess, Swimming

Oct 2023 - Present