

# AADITYA NEUPANE

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<https://aadityaneupane.com> | <https://github.com/aadityane93>

## EDUCATION

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### BS in Artificial Intelligence

Technische Hochschule Deggendorf (THD), Deggendorf, Germany

## TECHNICAL SKILLS

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### Related Coursework:

- Database Management
- Operating Systems, Networks
- Data Structure & Algorithms
- Media Skills

### Skills:

- Python, OpenCV, NumPy, Pandas, Scikit-learn
- C/C++/MicroPython with Arduino, Esp32, Raspberry Pi
- HTML, CSS
- JavaScript, Express, React, Three.js
- R and R studio
- Linux (Ubuntu), Jupyter Notebook
- CI/CD, GitHub, Gitlab, Docker, Azure DevOps
- Scripting: PowerShell, Bash
- Microsoft Office Suite and 365, Photo editing: Photoshop, Video editing: Wondershare Filmora

## WORK/EXPERIENCES

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### Student Assistant | THD | Deggendorf

Mar 2024 - Present

- Working in research projects for embedded systems: e.g. circuit development, circuit board layout, programming of microcontrollers, commissioning of prototypes and carrying out measurements and tests.
- Participation in research projects in the areas of artificial intelligence (e.g. computer vision) and machine learning (e.g. tiny machine learning)

## LANGUAGES

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

## PROJECTS

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- **Chatbot for University Canteen**
  - Created Chatbot for University Canteen using Node, Express, Socket-io and Python
- **Spam Filter**
  - Created Naïve Bayes Classifier, a machine learning based classification method to filter Spam emails.
- **Housing Price Predictor**
  - Created Linear Regression Model to predict Housing Price.
  - Visualization of gradient descent, linear regression, Correlations, Histograms, Bar charts, etc. with Matplotlib
- **Image Classifier**
  - Developed a Image Classifier with pre-trained CNN models like InceptionResNetV2 and Xception
- **General Python Programs**
  - Made GUI python programs: Password Manager, Tic-tac-toe game, etc. with Tkinter

## COMMUNITY INVOLVEMENT

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Gesellschaft für Informatik, *Member*

Jan 2024 - Present