

NAMITA THANGAVEL JEYARADHA

COMPUTER SCIENCE STUDENT

A highly motivated Computer Science student with a focus on Artificial Intelligence and Machine Learning, specializing in Natural Language Processing, neural networks, and Generative AI. Demonstrated expertise in developing impactful AI solutions through projects like OCR systems and spam detection. Proficient in NumPy, Pandas, and Scikit-learn, with strong problem-solving and collaboration skills. Eager to leverage my knowledge and grow in an AI/ML internship.

PROJECTS

OCR System Development with Amazon Textract

Oct 2024 - Present

- Designed an endpoint for document uploads integrated with Amazon Textract for efficient text recognition.
- Optimized recognition accuracy for handwritten documents, reducing errors significantly.
- Developed and tested full-stack functionality, utilizing Docker for containerization and Git for version control.

Spam Detection Classifier using Python Libraries

Jan 2024 - Mar 2024

- Collaborated with a team to preprocess email text data, including converting text to lowercase, removing punctuation, and applying stemming and stopword removal using NLTK.
- Worked on extracting features with CountVectorizer and training a Random Forest classifier, achieving an accuracy rate of 98.4%.
- Contributed to model evaluation and helped apply the model to classify new email data as spam or not.

E-Commerce Website

Mar 2022 - July 2022

- Developed a static e-commerce website for selling tech gadgets, focusing on user-friendly design.
- Applied HTML, CSS, and JavaScript to create interactive functionalities.

EDUCATIONAL BACKGROUND

Bachelor of Science (B.Sc.), Computer Science

Technische Hochschule Bingen, Germany

Expected Graduation: 2025

- Participated in the International Credit Transfer Program with Bachelor's degree awarded after fulfilling academic requirements in the program.

Bachelor of Computer Science & Engineering

PSG Institute of Advanced Studies, India

2021-2024

- Head of Student Union (2023-2024)
- Computer Science Student Representative (2021-2024)
- Event Organizer

CONTACT

Goßlerweg 1, 55122 Mainz
+49 155 60766285
namita.tj@gmail.com
www.linkedin.com/in/namita-tj

SKILLS

Technical Skills

- Neural Networks
- Classification
- ML Algorithms
- Natural Language Processing

Tools/Software

- NumPy, Pandas, Scikit-learn
- GitLab, Docker
- Spring Boot, Swagger UI
- HTML, CSS, React
- C, Java, SQL

Languages

- English (Fluent)
- Tamil (Fluent)
- German (C1-Proficient)

Certification/Short Courses

- Telc C1 (German)
- TestDaf
- Python for Data Science and Machine Learning

REFERENCES

Kalman Graffi

Professor

Technische Hochschule
Bingen

Mail : k.graffi@th-bingen.de

Prakash J

Assistant Professor

PSG College of Technology

Mail : jpk.cse@psgtech.ac.in