



# HUGO KOTHE

*Student in AI & Cybersecurity*

## Education

- High School Degree in Mathematics, Physics, and Advanced Mathematics – Pass with Merit

### ESIEE Paris

2021 - 2026

- Engineering Degree in Artificial Intelligence and Cybersecurity (in progress)

## Academic Projects

### COLORIA:

- Developed an interactive web application for colorizing black-and-white images using advanced deep learning models (GAN, U-Net, ResNet). Compared and implemented four models to enhance the realism of results.

### Facial Recognition:

- Designed and trained a facial recognition model based on convolutional neural networks. Applied face alignment, encoding techniques, and hyperparameter optimization to achieve +99% accuracy.

## Professional Experience

### Pastry Chef (La Campagnarde, Nanterre)

July - August 2022, July - August 2023

- Developed stress management and teamwork skills
- Managed sales and customer service during peak periods

### Kitchen Assistant (Chez BOB, Royan)

July - August 2021

- Assisted in meal preparation
- Maintained kitchen cleanliness and organization
- Enhanced teamwork and time management skills

### Agricultural Worker (KWS France, Athée-sur-Cher)

July - August 2020

- Selected and purified corn
- Developed endurance and physical work skills

## Interests

- Passionate about cooking and pastry
- Practice of combat sports ( 14 years )
- Interest in science and automobiles
- Passionate about new technologies and information security.

**References from previous employers available upon request.**

## Contact Information



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## Professional Summary

- Currently in my fourth year of engineering school
- Pursuing an engineering degree with a specialization in Artificial Intelligence and Cybersecurity (AIC).
- Determined to contribute to technological innovation and data protection.
- Expected degree completion in 2026.

## Languages Spoken

FRENCH (NATIVE)

ENGLISH (B2)

## Skills

### Technical Skills:

- Programming (Python, Java, C)
- Software design and development using AI methods
- Information security and security testing
- Data analysis and machine learning

### Personal Skills:

- Teamwork
- Stress management
- Communication and customer service