

# Alejandro SÁNCHEZ POVEDA



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OBJECTIVE: A Sophomore Computer Scientist with interest in developing AI and ML projects that integrate technology and mathematics with creative fields like music, art and language learning

## TECHNICAL PROJECTS

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### KMINIST Computer vision

2024-2

- Created a pytorch model based in the dataset **KMINIST** for recognizing Japanese cursive handwritten characters, implementing

## EDUCATION

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### B.S. Computer Science , Universidad Nacional de Colombia - UNAL

2024-Present

- GPA of 4.0
- Engaged in a 1-Year Seminar of Generative Artificial Intelligence at SIMG where I learned about Deep Learning mainly with pytorch, diffusion models and machine learning best practices as we dived into other fields like Quantum ML and Liquid Neural Networks, Networks as research
- Actively Participated for 3 months in the Uqbar - Cybersecurity Seminar in partnership with Hack the Box, where I was able to attend JCUN learn from keynotes speakers about Offensive Security and Learn Best Practice for Cybersecurity when I continued my studies and practices
- Participated in a Data Structures and Algorithms class led by Juan Carlos Moreno, where we dived into the first 300 pages of the Peter Brass Advanced Data Structures Book, including a-b trees, red-black trees, and finger trees

### High School Degree *Valedictorian of 2023 Prom*, Instituto San Pablo Apóstol - Libertador 2018-2023

- Ranked First within the conglomerate of schools known as SEAB( Arquideocesis de Bogotá ) with 414/500 ICFES (SAT Equivalent) in Colombia
- Completed a technical course in musical performance with violin and played in 2021 Concert

## AWARDS - CERTIFICATES

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### Advanced Artificial Intelligence, Cymetria - MINTIC

2023

- Learned a broad category of topics around the machine Learning potential and workflow from utilities delivering Sentiment Analysis, Convolutional Neural Networks for identifying objects in real life to the actual testing using metrics like accuracy, recall and the confusion matrix

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