

Adrian Pineda Sánchez

 [AdrianPinedaSanchez](#) |  [Adrian Pineda Sánchez](#) |  A00834710@tec.mx |  +52 8681825134

EDUCATION

Aug 2021 - Present	Bachelor's Degree at Instituto Tecnológico de Monterrey B.S Data Science and Mathematics Engineering (GPA: 97.82/100.0) Expected Graduation: 2025
Aug 2018 - May 2021	Centro Universitario del Noreste Valedictorian & High School Diploma (GPA: 10.0/10.0)

EXPERIENCE

Cemex Ventures Intern in Object detection in Plants with Deep Learning and AI Oct 2023 - Present
I lead and develop an app project using Power Apps and Power Automate to store in SQL databases in Azure Data Studio, analyzing them with Artificial Intelligence and Machine Learning in Python for insights and predictions on CEMEX's plants and transportation units internationally in a web app. I also utilize LLMs and natural language processing for interactive model development for Cemex.

ADUX-Vamos Alto Academic mentor in Mathematics Feb 2023 - Present
ADUX is an internationally recognized program that addresses the post-COVID-19 educational backlog in basic and upper secondary education. I participate in the program as a mentor in Mathematics.

On Campus Intern HR Data Analyst for Tecnológico de Monterrey Feb 2023 - Jul 2023
I worked in the Automation of the assignment of schedules and availability to teachers with the management and transformation of databases in Sheets, Excel and Google Data Studio.

PROJECTS([CLICK FOR COMPLETE PORTFOLIO AND CERTIFICATIONS](#))

- 2024** Interface for Data Capture, Analysis, and Encryption for Casa Monarca (Power Apps, SQL, Python).
- 2024** TDA-PCA in CNNs with ML for Gravitational Wave Prediction in Time Series.(Python)
- 2023** Implementation and Analysis of CNNs for Fashion Images Detection and Categorization (Python).
- 2023** Optimization for selection of routes and trip parameters for CEMEX Carriers (Python and GAMS).
- 2023** Statistical analysis for SIMA, about concentrations of polluting gases in Nuevo León.(R)
- 2023** Automation in selection of carrier trips for Ternium using Machine Learning (Python)

LEADERSHIP AND AWARDS([CLICK FOR BRIEF PORTFOLIO PRESENTATION](#))

- 2024** Finalist Datathon Hey Banco: SA of tweets with TF for insight creation with AI trained models
- 2023** 3rd place Datathon Hey Banco: Expense prediction using ML for customer financial care
- 2022** International Most Outstanding Country Delegation at Knovva Academy Model G20
- 2021** Lideres del Mañana Scholarship (8th Gen) In Tec de Monterrey given to 1.5% of applicants

SKILLS

Language	Experience	Language	Experience	Program	Experience
Python	3 years	SQL	2 years	Linux/Ubuntu	6 months
MATLAB	2.5 years	GAMS, Prolog, C#	1 year	Power Apps, Automate,BI,Pages	1.5 years
R	2.5 years	Rest API's	1 year	Nessus, Docker, DBeaver	1 year
C++	2 years	English	B2	Azure Data Studio	1 year