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# Carlos A. Bustamante Gaytán

## Machine Learning Engineer

charlyfive.com  
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### TECHNICAL SKILLS

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**Data Science** TensorFlow, Keras, Scikit Learn, PyTorch, PySpark, Pandas, NumPy

**Visualization** Matplotlib, Seaborn, Plotly

**Programming** Python, SQL, MATLAB

**Cloud Platforms** AWS, Azure

### WORK EXPERIENCE

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#### Machine Learning Engineer

*Corteza.ai*

September 2024 – Present

*Remote*

- Design and deploy scalable machine learning models to solve real-world problems, focusing on reliable and impactful AI solutions.
- Collaborate with cross-functional teams to apply advanced algorithms and develop AI solutions in industries such as healthcare, finance, and sustainability.

#### Adjunct Professor

*Tecnológico de Monterrey*

January 2024 – June 2024

*Estado de México, México*

- Taught "Design and Development of Applications" at the high school level, introducing students to electronics and programming through the use of electronic components and the micro:bit platform.
- Guided students in applying programming and electronics skills to create functional projects, fostering practical understanding and innovation.

#### Data Analyst

*Telus International*

February 2020 – June 2022

*Remote*

- Evaluated and categorized various types of digital content, including video, text, and geographic data, to enhance AI-driven systems for content recommendations and search relevance.
- Identified key patterns and insights to support the continuous improvement of AI models, ensuring higher quality and accuracy across multiple global projects.

### EDUCATION

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#### Master of Science in Engineering Sciences

*Tecnológico de Monterrey*

August 2022 – June 2024

*Estado de México, México*

- Developed a neural network-based feedback interface for lab practices, enhancing learning efficiency with real-time feedback to improve the educational experience.
- Published a paper on an educational tool for control courses, improving understanding of data-driven control methods applied to non-linear systems with TensorFlow and Arduino.

### CERTIFICATIONS

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- AWS Certified Machine Learning Engineer Associate, issued September 2024.
- AWS Certified Solutions Architect Associate, issued August 2024.
- Microsoft Certified: Azure Data Scientist Associate, issued July 2024.
- TensorFlow Developer Certificate, issued August 2023.