

# Devasha Trivedi

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## EDUCATION

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2023-Present University of California, Santa Cruz (GPA: 4.0)  
M.S. in Natural Language Processing

2019-2023 University of California, Santa Cruz (GPA: 3.61)  
B.S. in Cognitive Science, Minors in Computer Science and Spanish Studies

## RESEARCH & WORK EXPERIENCE

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**Data Science Intern at View Inc.** June 2022 - September 2022

- Established an MLFlow server for optimizing the sensor algorithm used in the company's flagship product, Smart Windows.
- Focused on improving the interpretation of sunlight data received by sensors by improving the orientation of each sensor by 35° toward true north.

**Data Analytics Lead at Tech4Good @ UCSC** March 2023 - June 2023

- Leveraged ML techniques like regression and clustering to advance ongoing research initiatives within the lab.
- Supervised a team of students collaborating with other lab teams to provide platform logs for applications like Timely, Annota, and Gratitude.

## SKILLS

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Programming Languages	Python, C++, C, SQL, JavaScript, HTML, CSS
Libraries and Packages	PyTorch, Scikit-learn, TensorFlow, NLTK, Keras, Transformers, D3
Tools	Unix, Linux, Git, HuggingFace, MLFlow, Docker, Large Language Models,
Miscellaneous	Figma, Microsoft Excel
Languages	English, Hindi, Spanish, Telugu

## PROJECTS

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**Sentiment Analysis of IMDB Reviews** [Link to Project](#)

- Built Recurrent Neural Network (RNN) and Long Short-Term Memory (LSTM) models for text classification on IMDB movie reviews.
- Achieved an accuracy of 66.1% with the RNN model.
- Achieved an accuracy of 72.2% with the LSTM model.

**Connect4 AI Agent** [Link to Project](#)

- Developed a versatile Connect4 AI agent with a dynamic user interface.
- Supported various gameplay configurations, including human, AI, or random opponents.
- Demonstrated AI capabilities matching human performance.
- Achieved a 40% win rate against human opponents in test games.