Govind Chada

govindchada9@gmail.edu (281) 685-9762
https://www.linkedin.com/in/govind-chada/

Education

Stanford University, Stanford, CA — 2020-2025
B.S./M.S., Computer Science (Artificial Intelligence) — GPA: 3.98 (B.S.), 4.01 (M.S.)

Select Coursework: CS 224R: Deep Reinforcement Learning (A), CS 234: Reinforcement Learning (A), CS 228: Probabilistic Graphical Models (A+), CS 229: Machine Learning (A), CS 330: Deep Multi-Task and Meta Learning (A), CS 224N: Natural Language Processing with Deep Learning (A-), CS 231n: Deep Learning for Computer Vision (A), CS 221: Artificial Intelligence: Principles and Techniques (A), CS 271: Artificial Intelligence in Healthcare (A), CS 255: Introduction To Cryptography (A+), PHIL 20N: Philosophy of Artificial Intelligence (A), MATH 104: Applied Matrix Theory (A)

Work and Research Experience

- **Co-Founder, Lux Foods,** January 2025-present - Reimagining agriculture with AI.
- **IRIS Lab at Stanford AI Lab, Department of Computer Science, Stanford University,** March 2021-June 2024 - Deep reinforcement learning for real-world robotics. PI: Prof. Chelsea Finn.
- **SWE Intern (AI), Meta Reality Labs,** July 2022-September 2022 - Worked on Holograms Creation team to build generative denoising models for high quality 3D video calling.
- **Department of Electrical & Computer Engineering, University of Houston,** 2018-2020 - Performed original research, created AI models for applications in medicine, published and presented research in international peer-reviewed journals, conferences. PI: Prof. Hien Van Nguyen

Publications

- **Commonsense Reasoning for Legged Robot Adaptation with Vision-Language Models**
  Annie S. Chen*, Alec M. Lessing*, Andy Tang*, **Govind Chada***, Laura Smith, Sergey Levine, Chelsea Finn
  International Conference on Robotics and Automation (ICRA), 2025
  [PDF] [Website] [Code]
  We propose VLM-PC to provide adaptive high-level planning, so that robots can get unstuck by exploring multiple strategies.
- **Adapt On-the-Go: Behavior Modulation for Single-Life Robot Deployment**
  Annie S. Chen*, **Govind Chada***, Laura Smith, Archit Sharma, Zipeng Fu, Sergey Levine, Chelsea Finn
  Conference on Lifelong Learning Agents (CoLLAs), 2025
  [PDF] [Website] [Code]
  We propose Robust Autonomous Modulation (ROAM), a framework for efficiently leveraging pre-trained behaviors to quickly adapt to changing situations at deployment time.
- **Machine Learning Models for Abnormality Detection in Musculoskeletal Radiographs**
  Govind Chada
  Reports, 2019
- **Physician-Friendly Machine Learning: A Case Study with Cardiovascular Disease Risk Prediction**
  Meghana Padmanabhan, Pengyu Yuan, **Govind Chada**, Hien Van Nguyen
  Journal of Clinical Medicine, 2019

Awards and Honors

- Speaker, selected by review board: **Open Data Science Conference**, Rice Data Science Conference
- 2022-23 Russell A. Berman Award for Excellence in an Introductory Seminar
- **Regeneron Science Talent Search Scholar.** STS is the nation's oldest and most prestigious science competition for high school seniors
- **President's Volunteer Service Award (Gold)**

Technical Skills

- **Machine Learning:** PyTorch, Jax, Keras, TensorFlow, scikit-learn, Pandas, NumPy, Matplotlib
- **Programming Languages:** Python, Java, Swift, C, C++, x86-64 assembly language
- Developed applications for **iOS** and **Android**, from conception to design and implementation

Leadership and Community Service

- **Founder, North South Youth Leadership Program**, 2018-2020 - Conceived and implemented a youth leadership program. Trained 70 student leaders, raised more than $150,000 for scholarship funds for underprivileged students by teaching STEM to 800 students across the U.S.

*Equal contribution.