

Maneet Mehta

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EDUCATION

Yale University | **GPA: 4.00/4.00**

New Haven, CT | **Class of 2029**

B.S. in Statistics & Data Science; B.A. in Physics & Philosophy

Relevant Coursework: Probability & Bayesian Statistics, Introductory Microeconomics, Data Structures & Programming Techniques, Classical Mechanics, Proof-based Linear Algebra, Intermediate Machine Learning

Activities & Societies: Yale Undergraduate Consulting Group, Yale Debate Association, Yale Foreign Policy Initiative, Yale College Council Senator (Dining Policy Chair), Yale AI Alignment (fellow)

EXPERIENCE

Analyst | **Yale Undergraduate Consulting Group**

New Haven, CT | **Sep. 2025 – Present**

- Developed a **customer acquisition and positioning strategy** for a major publicly traded international fintech company. Built a **segmented TAM/SAM/SOM model** sizing the market across four sub-segments.
- Modeled financial feasibility and social impact outcomes for a proposed West African cocoa farm venture, **building a 10-year return model**, and developing an impact framework to encourage private investment.

Researcher | **Hertie School Centre for Digital Governance**

Berlin, Germany | **Jul. 2026 – Present**

- Leading a conceptual and empirical study of human oversight burdens and AI task allocation in public-sector administrative processes, in the research group of Prof. Joanna J. Bryson. Co-authoring publication.

Undergraduate Learning Assistant | **Yale University**

New Haven, CT | **Fall 2026**

- Selected competitively to support course instruction for S&DS 2380: Probability and Bayesian Statistics.

Researcher | **German Council on Foreign Relations**

New Haven, CT | **Sep. 2025 – Jun. 2026**

- Designed and **built a multi-stage hybrid NLP pipeline**, incl. semantic filtering, LLM-based structured extraction, HDBSCAN clustering, and narrative synthesis for processing U.S. defense policy documents. **Produced long-term policy analyses** of U.S. military posture and commitments in Europe, including funding trend analyses.

Researcher | **University of Maryland: College Park**

College Park, MD | **Jun. 2024 – Jul. 2026**

- First-authored a study** of emotion bias in generative image models with Dr. Cody Buntain: designed the annotation and analysis pipeline, **fine-tuned vision transformer (ViT) classifiers** for emotion recognition, and ran bootstrapped TPR/FPR bias analyses on 10k prompt-image pairs.

Research Intern | **Johns Hopkins Applied Physics Laboratory**

Laurel, MD | **Jun. 2023 – Jun. 2025**

- Developed a **demonstration pipeline for adversarial attacks** on LLMs: organized jailbreak classes, authored red-team prompts, and stress-tested common guardrails (prompt injection, role confusion, refusal-circumvention).
- Engineered a computer vision program that enabled robots to autonomously follow target items.

Software Engineering Intern | **Cosmos Inc.**

Remote | **Aug. 2024 – Jan. 2025**

- Built and integrated Unity (C#) UI components and debate-flow logic for an AI-powered debate training platform; assisted UI/UX, C# scripting, and backend on Amazon Web Services.

SELECTED RESEARCH OUTPUTS

Assessing Emotions in Images and Potential Biases in Generative Models

[arXiv:2411.05985](https://arxiv.org/abs/2411.05985)

Preprint (first author)

2025

- Formalizes a statistical framework for measuring emotion bias in generative image models; finds a consistent, robust bias toward fear in generated images, validated across model architectures and human annotation.

LockdownGPT: Assessing adversarial attacks on LLMs

Internal publication; please request access

Poster – Johns Hopkins University Applied Physics Lab Showcase

2025

- Technical demonstration of systemic vulnerabilities faced by large language models in their development lifecycle. Presented to government officials including the former Deputy CTO of the US OSTP.

AWARDS & HONORS

Programs: U.S. Senate Youth Program (\$10k Scholarship) (2025); Y Combinator Startup School Attendee (2026)

Scouting: Eagle Scout (2024); Maryland Eagle Scout of the Year — American Legion (2025)

Debate: LD National Top 20 (2023); Maryland LD State Champion (2024); Cornell Novice Nationals Quarterfinalist (2026)

SKILLS

Programming Languages: Python, R, Java, C, C#, Racket

Software & Packages: PyTorch, Hugging Face, scikit-learn, pandas, NumPy, Matplotlib, OpenCV, Selenium, LLM APIs (OpenAI, Anthropic), Claude Code, Git/GitHub, AWS, Unity Engine, Figma

Languages: English, Spanish (Intermediate Fluency), Gujarati (Spoken Fluency)