ASMI KAWATKAR

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EDUCATION

University of California, Los Angeles (UCLA)   *September 2022 – June 2026*
Mathematics of Computation & Data Science Engineering Minor
- **GPA** 3.956 | **Dean's Honors List** (2022-24)
- **Relevant Coursework:** Machine Learning & Data Science, Computer Organization, Calculus of Several Variables, Discrete Structures, Applied Numerical Methods, Linear Algebra and Applications

RESEARCH & EMPLOYMENT

Math Success Program (MSP), Community Programs Office (CPO), UCLA   *April 2023 – Present*
Math Peer Counselor
- Engineered MSP's growth from re-launch to 200+ sessions per quarter with strategic outreach & student-focused initiatives
- Mentoring and supporting undergraduate students from underrepresented communities in mastering foundational mathematical concepts, improving their confidence & academic performance
- Designing and developing comprehensive notes, problem sets, and other materials tailored to clarify challenging concepts

Computer Security and Privacy Lab, UCLA   *Jan 2024 - Present*
Undergraduate Student Researcher
- Surveyed watermarking algorithms for AI generated images to evaluate their potential efficacy on AI generated video
- Proactively engaged in discussion with lead authors to gain research insight, demonstrating initiative & commitment

LEADERSHIP & EXPERIENCE

Break Through Tech AI, UCLA   *May 2024 - Present*
ML/AI Tech Fellow
- Mastering skills in data preprocessing, model selection, optimization and evaluation through real-world projects
- Achieved proficiency in training and deploying ML models using Python through rigorous eCornell coursework

LA Hacks, UCLA   *September 2022 - Present*
Director, Hacker Operations & Experience Team, LA Hacks 2025
- Previously Hacker Operations & Experience Co-ordinator (LA Hacks 2023 & 2024)
- Successfully executed a 36-hour hackathon which hosted 1000+ attendees, and saw the submission of 171 projects
- Spearheaded recruitment and communications for largest ever judge cohort at LA Hacks 2024 with 75+ expert judges from industry leaders including Meta, Google, Apple, IBM, AWS, Netflix, Disney, Adobe, Microsoft & Oracle
- Redeveloping sponsorship packet and crafting compelling pitches to attract increased sponsorship for LA Hacks 2025

ACM Cyber, UCLA   *April 2024 - Present*
General Member
- Developed & implemented patch attacks road sign images to generate adversarial examples, resulting in misclassification
- Presented project at the annual AI Symposium, highlighting implications of adversarial attacks and advocating for the development of more resilient AI models
- Attended weekly team meetings to understand Fast Gradient Sign Method (FGSM) and exploit AI model vulnerabilities

PROJECTS

UniFynd – Mobile Application Project submitted to Hack on the Hill 2023, UCLA   *March 2023*
Team Member
- Built & delivered within 12 hours a user-friendly app catering to the networking and scheduling needs of UCLA students
- Implemented computer vision (CV) in Python using OpenCV to reduce queuing at UCLA takeout Dining Halls

SKILLS

Programming Languages: C++ (intermediate), Python (intermediate)
Other: LaTeX, MATLAB, scikit-learn, pandas
Languages: English (fluent), French (intermediate), Marathi (native), Hindi (conversational)