Pravir S. Chugh

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EDUCATION

University of California, Los Angeles *Expected June 2026*
- Bachelor of Science, Computer Science
- Activities: Nova - Tech for Good, ACM TeachLA/Hack/AI, UCLA Backpacking Club
- Coursework includes: Introduction to Computer Science, Calculus of Several Variables

Issaquah High School, Issaquah, WA *June 2022*
- GPA: 3.99
- HS Activities: AI Club (Treasurer), Math Club, Chemistry Club, Science Olympiad
- External Coursework through Coursera: Algorithms Specialization, Machine Learning, Linear Algebra

TECHNICAL SKILLS

Programming Languages: Java, Python, HTML/CSS, JavaScript, React.js, Node.js, C++

ACTIVITIES AND EXPERIENCE

Stanford Institute for Human-Centered AI and Young Data Scientists League *June 2023 – September 2023*
Research Intern
- Collaborated with researchers and industry professionals at Stanford HAI (Human-Centered AI) and YDSL (Young Data Scientists League) to conduct interdisciplinary research in the realm of large language models.
- Implemented a custom Python script to analyze and categorize more than 75K responses generated by various LLMs, utilizing ChatGPT, PaLM, Claude, and LLaMA APIs.
- Pioneered an NLP-based automated response labeling process, achieving a remarkable 97% success rate in identifying gender-specific content within the dataset, thereby enhancing data organization.
- Assessed downstream bias in modern LLMs by fine-tuning a BERT instance on text generated by ChatGPT, PaLM, Claude, and LLaMA. Conducted comprehensive evaluations using the Word Embedding Association Tests (WEAT).
- Contributed to the research paper writing process, summarizing our findings and research outcomes.

Jupyter Notebooks for Data Visualization – Park Tudor School *November 2019 – March 2020*
Student Leader
- Collaborated with math/computer science and biology teachers to help other high school students use Python libraries for data visualization in their science classes with a school-wide scope.
- Created templates that incorporated advanced STEM concepts in an easy-to-use framework. Planned to create lesson plans that incorporated these concepts in AP Computer Science Principles classes.

PROJECT

MathematicalTools *September 2020 – November 2020*
- Designed and implemented the website prototype, containing a variety of resources designed for high school students to use in their calculus and statistics classes. Technologies used included HTML/CSS, JavaScript, and TensorFlow.js.

AWARDS & HONORS

- UCLA ACM HackKitchen Hackathon – Third Place (React.js, C++, Python)
- U.S. National Chemistry Olympiad – Honors (Top 150 Nationwide)
- U.S.A Computing Olympiad – Silver Qualifier
- Airforce Association CyberPatriot – Platinum Division