

Ekansh Arora

ekansha2@illinois.edu • (708) 968-7631 • [LinkedIn](#) • [GitHub](#)

EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Computer Science & Mathematics

Relevant Coursework: Discrete Math, Linear Algebra, Data Structures & Algorithms

Expected Graduation: Dec 2027

GPA: 3.97

EXPERIENCE

Clabbers

Founder & Developer

Jan 2023 – Dec 2023

- Built Flutter-based anagrammer app with 100+ DAUs; ranked #7 in iOS Word Games
- Integrated with Scrabble Association of India (SAI) to support 1k+ national players' tournament prep
- Processed 200k+ words into sorted 2–9 letter lists using Pandas

PROJECTS

Matched.lol

Aug 2024 - Dec 2024

- Led frontend development in Flutter for a League of Legends matchmaking app
- Deployed to 100+ students at UIUC as part of a course project

TikTok Content Generator

Oct 2024 - May 2025

- Used Python to scrape 500K+ Reddit posts for Gen Z language patterns
- Fine-tuned LLaMA-3 to simulate TikTok-style content

PUBLICATIONS

[Effects of AI in Scrabble](#)

Author, International Journal of Computer Trends and Technology (IJCTT)

April 2023 - Oct 2023

- Analyzed DAWG vs GADDAG algorithms; showed GADDAG is 2x faster despite 5x memory overhead
- Studied 500+ Scrabble games to reveal AI vs human win trends by rating tier
- Applied regression and data binning to quantify AI's performance across 1100–2300 Elo

ACTIVITIES AND LEADERSHIP

Scrabble Association of India (SAI)

Country Representative, Exec. Member & Int'l Player

June 2017 – Aug 2024

- Directed 5+ national Scrabble tournaments across Delhi-NCR with SAI
- Mentored 5+ national players through SAI's Buddy Program
- Hosted monthly meetups for 100+ newcomers to expand player outreach

AWARDS

- 2x National School Scrabble Champion (2019, 2022)
- Semifinalist, World Youth Scrabble Championship (2021)
- Bronze Medalist, Southeast Asian Math Olympiad (SEAMO, 2020)

SKILLS

Languages: Python, C++, Dart, Kotlin, JavaScript

Frameworks: Flutter, Firebase, Next.js, Pandas, Git