# Ekansh Arora

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## EDUCATION

**University of Illinois Urbana-Champaign**                    *Expected Graduation: Dec 2027*
Bachelor's of Science in Computer Science + Mathematics                    *GPA: 3.97*
Relevant Coursework: Discrete Math, Linear Algebra, Data Structures & Algorithms

## EXPERIENCE

**Clabbers**
*Founder & Developer*                    *January 2023 – December 2023*
- Built Flutter-based anagrammer app with 100+ DAUs; ranked #7 in iOS Word Games
- Integrated with Scrabble Association of India to support 1k+ national players' tournament prep
- Processed 200K+ words using Python (Pandas) to auto-sort into 2–9 letter word lists

## PROJECTS

**Matched.lol**                    *August 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**                    *October 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 - October 2023*
- Analyzed DAWG vs GADDAG algorithms; showed GADDAG is 2x faster despite 5x memory overhead
- Studied 500+ AI vs human Scrabble games to reveal win patterns 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 – August 2024*
- Led 5+ national Scrabble tournaments across Delhi-NCR with SAI
- Mentored 5+ national players through SAI's Buddy Program
- Organized monthly meetups for 100+ newcomers to grow the player base

## AWARDS

- 2x National Scrabble Champion | Semifinalist, World Youth Scrabble Championship
- Bronze Medalist, Southeast Asian Math Olympiad (SEAMO)
- INOI Qualifier – Top 5% in India for National Informatics Olympiad

## SKILLS

**Programming:** Python, Dart, Kotlin, JavaScript, C++
**Frameworks:** Flutter, Firebase, Next.js, Pandas, Git