Ekansh Arora

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EDUCATION

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

EXPERIENCE

Genpact
AI Intern   *Jun 2025 – Jul 2025*
- Automated 100k+ invoice checks using Pandas to streamline touchless Accounts Payable process
- Developed tax code correction tool saving 150+ hrs/month in manual invoice review
- Presented AP touchless pipeline to 10+ client stakeholders, driving alignment on automation strategy

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

AI-Powered Pocket Tanks Player   *Aug 2025 - Oct 2025*
- Built a fully autonomous AI using PyAutoGUI to play Pocket Tanks against level 10 CPU.
- Tested 5 different AI models via LiteLLM, achieving an average score of 65 per game.

TikTok Content Generator   *Oct 2024 - Dec 2024*
- Used Python to scrape 500K+ Reddit posts for Gen-Z language patterns
- Fine-tuned LLaMA-3 to simulate TikTok-style content & autopost on Instagram

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 2020 – Present*
- 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

SKILLS

Languages: Python, C++, Java, Kotlin, JavaScript, R
Frameworks: Flutter, Firebase, Next.js, Pandas, Git, RStudio