

Ekansh Arora

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EDUCATION

University of Illinois Urbana-Champaign

Expected Graduation: Dec 2027

Bachelor of Science in Computer Science & Mathematics

GPA: 3.89

Relevant Coursework: Data Structures & Algorithms, Computer Systems, Linear Algebra, Stats & Probability

EXPERIENCE

Creatorwood

Full Stack developer

Mar 2026

- Shipped full-stack mobile app to production in 7 days using React Native, Expo, and Hono API routes
- Integrated RevenueCat for subscriptions and routed video streaming through backend to player

ATLAS @UIUC

AI/ML Engineering Intern

Jan 2026 - Present

- Designed **dual-agent RAG system** for BLS advising over 100 documents using LangChain embeddings
- Evaluated 3 open-source LLMs on response quality and accuracy; Qwen outperformed GPT-4, LLaMA

Tiles of India

Founder & Developer

Nov 2025 – Dec 2025

- Built React-based Scrabble word trainer with **spaced repetition** serving 100+ DAUs
- Processed 250k+ words into 3–8 letter lists using Pandas; filtered for South Asian linguistic patterns

Genpact

ML Engineering Intern

Jun 2025 – Jul 2025

- Engineered Pandas pipeline to filter and validate tax codes for **100k+ invoices** in AP automation
- Developed logistic regression model (90% accuracy) to automate invoice posting by vendor reliability, saving **150+ hrs/month**

PROJECTS

AI-Powered Pocket Tanks Player

Aug 2025 - Sep 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

PUBLICATIONS

[Effects of AI in Scrabble](#)

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

April 2023 - Oct 2023

- Analyzed DAWG, GADDAG algorithms; GADDAG **2x faster despite 5x memory overhead** (500+ games)
- Applied regression and data binning to quantify AI's performance across 1100–2300 Elo

LEADERSHIP

Agentic AI @UIUC

Member of Technical Staff (MTS)

Jan 2026 – Present

- Built voice AI agent using VAPI to handle hospital appointment booking via real-time phone calls

Scrabble Association of India (SAI)

Country Representative, Exec. Member & Int'l Player

June 2020 – Present

- Directed 5+ national Scrabble tournaments; hosted monthly meetups for 100+ newcomers

SKILLS

Languages: Python, C, C++, JavaScript; **Databases:** PostgreSQL, Firebase

Frameworks: LangChain, PyTorch, scikit-learn, Pandas, Flask, Next.js, React Native, Expo, Hono, VAPI