**Anvith Kotha**

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EDUCATION

**The University of Illinois Urbana-Champaign**, Urbana, ILMay 2028

*Bachelor of Science, Mathematics and Computer Science*

* Relevant Coursework: *Intro to CS II (C++), Fundamental Math (Proofs)*

**J.B. Conant High School**, Hoffman Estates, ILMay 2024

* Relevant Coursework: *Calculus I, II, III, Mobile Application Development*

EXPERIENCE

**University of California, Irvine**, Irvine, CA. June 2023 – Sep 2023

*Research Assistant*

* Worked with Prof. Wayne B. Hayes to adjust clique counting algorithm to work with graphlet sampling project
* Used Makefile and Unix commands to compile C and C++ projects into one file

**Costco,** Schaumburg, IL Feb 2024 - Aug 2024

*Product Demonstrator*

* Managed samples stand and persuaded customers to buy brands

PROJECTS

* **Food Freedom:** Allows user to submit picture of paper dosing plan. Creates digital plan and implements timed reminders and tracking. Used React Native.
* **Options Pricing Model:** Used Monte Carlo simulations of random walks to calculate expected options returns. Implemented binomial and Black-Sholes models to compare results.

LEADERSHIP & COMMUNITY INVOLVEMENT

**Conant Technology Club,** Schaumburg, IL Aug 2023 – May 2024

*President*

* Planned community events including
  + A hybrid hackathon with $200 in prizes
  + Tech literacy sessions for seniors where we were featured by ABC7

**Midwest Math Circle,** Schaumburg, IL Jan 2022 - Dec 2023

*President, Webmaster*

* Recruited 40+ students for 8-week session
* Taught lessons about probability and algebra
* Helped created mwmathcircle.org

SKILLS

**Technical /Computer Skills:** Proficient in Python and Java, familiar with React JS and C++

**Certifications:** Data Structures and Algorithms (UCSD, Coursera), Building AI (Elements of AI)

HONORS

* **2x AIME Qualifier**
* **USACO Silver**
* **Math Departmental Award**
* **BPA Small Business Administration 2nd in State**