

Anish Katam

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EDUCATION

- **University of Rochester** Rochester, NY
Bachelor of Science in Computer Science and Business Information Systems Aug 2024 – May 2028
 - **Coursework:** Data Structures and Algorithms, Computation and Formal Systems, Linear Algebra (Differential Equations and Proof-Based), Computer Organization, Calculus I-III, Probability, Web Development
- **Brighton High School** Rochester, NY
9 AP Classes; 3.8/4.0 GPA Aug 2020 – June 2024
 - **President:** Programming Club

EXPERIENCE

- **University of Rochester Medical Center** Rochester, NY
Research and Technical Assistant Jul 2025 – Feb 2026
 - **Data Analysis:** Extracted and structured vitals and medical history from electronic health records. Documented Case Report Forms for over 10 patients. Ensured data was transferred to sponsors, redacted, and organized.
 - **Data Parsing and Quality:** Parsed and validated raw PubMed data for 130+ research articles, ensuring **clean data** gets published to the anesthesiology department. Ran 10+ blood coagulation tests, ensuring experiment control was maintained.
 - **Data Visualization:** Submitted Excel sheets, PowerPoints, and Word documents in sponsor-required formats.
- **Computer Science Undergraduate Council** Rochester, NY
Vice President May 2025 – Present
 - **IT Team Lead – DandyHacks:** Redesigned official event website for University of Rochester's 42-hour hackathon with 100+ attendees using React, Tailwind, and VanillaJS. Added sponsor badge integration and SVG assets to streamline updates for future IT teams.
 - **Leadership:** Oversee an organization with 300+ students and assisted projects of 50+ students.

PROJECTS

- **Course Recommender:** Parsed and indexed 2800+ University of Rochester courses into MongoDB using Python and Flask. Implemented token-based user authentication with Flask, storing session tokens into MongoDB, and integrated the OpenAI API to analyze user history and generate personalized course recommendations. Built collaboratively with a team of 4.
- **Poker:** Modelled Texas Hold'em game across R rounds and P players in a single-loop architecture across 1,000+ lines of logic. Game implemented with states such as preflop, flop, turn, river, and showdown. Used JavaFX to draw cards and Unicode symbols. Utilized multithreading by offloading the game to a background thread to stop JavaFX freezing.
- **Personal Website:** Designed a space based personal website using a particle network based on cursor proximity. Built with NextJS, React, and Tailwind to connect database to Supabase for a contact form. Optimized for mobile with a responsive design and reusable React components

SKILLS

- **Languages:** Python, JavaScript, Java, C, C++
- **AI/ML:** NumPy, Pandas, Seaborn, Jupyter Notebook
- **Data:** MongoDB, SQL, Tableau, Supabase
- **Web:** Next.js, React, Flask, Tailwind, Figma
- **Technologies:** Git, Docker, Linux

AWARDS

- **Lockheed Martin:** 1st Place CodeQuest
- **CPE:** 1st Place Policy Hackathon

ACTIVITIES

- **Cards Club**
Programming Director Sep 2025 – Present
 - **Marketing and Management:** Hosted large-scale events with 96+ attendees, and securing sponsorships for those events.
- **University of Rochester**
Tennis Coach June 2025 – July 2025
 - **Communication:** Taught tennis to 100+ people.