

TANUSH KULKARNI

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EDUCATION

University of Illinois at Urbana-Champaign

Expected May 2028

Bachelor of Science in Computer Science and Physics

Edison High School

Sep 2021 – June 2025

STEM Academy

GPA: 4.0/4.0

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, HTML, CSS, Kotlin, JavaScript

Frameworks/Tools: Git, GitHub, Docker, Command Prompt, Flask, OpenCV, Tensorflow, Pandas, Matplotlib, Seaborn, Numpy, SciKitLearn, Cloud Computing, Databases, Google Workspace

Spoken Languages: English, Marathi, Kannada, Hindi

WORK EXPERIENCE

Center for Digital Transformation, Gabelli School of Business, Fordham University

Remote

Jr. Technical Member

May 2024 – Jan 2025

- **Collected** data from various reputed data sources and **compiled** them into file types suitable for analysis using a number of natural language data analysis tools.
- **Sorted** over 8000 total data points in formats including CSV, Excel, and PDF to **filter out** duplicates and irrelevant data points, **reducing** dataset size by more than 50% through a combination of manual and programmed filters.
- **Analyzed** over 3000 data points, including creating frequency-based visualizations and using Natural Language Processing and LDA models to further uncover patterns within the text.
- **Drafted** a report **detailing** my findings to my mentor and **contributed** to the writing of research papers currently in the process of publication.

National Business and Engineering Organization (NOBE)

Urbana, Illinois

Technology Committee Member

Sep 2025 – Present

- **Collaborating** with talented consultants to design a Full Stack E-Commerce web application for a sustainable fashion company.
- **Implementing** various APIs and **integrating** PostgreSQL database with AWS and utilizing modern AI-assisted practices for efficient and non-buggy code.
- **Utilizing** best collaboration practices on GitHub including branching and PRs to **ensure** code compliance and **prevent** merge conflicts.

PROJECT HIGHLIGHTS

Chess Tournament Finder (Python)

Feb 2023 – Oct 2024

- **Designed** an application to **find** chess tournaments online using various user-defined parameters such as the date range, location, or distance from a particular area.
- **Implemented** a feature which allowed users to **send** a CSV copy and an ICS file of the list of tournaments to their email for easy online access and calendar integration.
- **Automated** a script to run every month on laptop start to automatically find and compile new chess tournaments.

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Schoolhouse.world

Remote

Senior SAT Bootcamp Tutor

Jan 2024 - Present

- **Directing** new tutors by **guiding** them through the process of creating better study materials and **assisted** in the peer review of other tutors' sessions, helping them **understand** their weaknesses and **improve** their tutoring skills.
- **Achieved** positive reviews from learners, with an emphasis on my good explanations, engaging lessons, and friendliness.
- **Developed** a custom-designed course on chess tactics in 2024, earning positive reviews for the fun nature of my lessons.