TANUSH KULKARNI

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EDUCATION

University of Illinois at Urbana-Champaign   Expected May 2029
Bachelor of Science in Computer Science + Physics   GPA: N/A

Edison High School   Sep 2021 – June 2025
STEM Academy   GPA: 4.0/4.0

Related Coursework:

Intro to Computer Science I

Physics2Astrophysics (Online, research-based summer program in astrophysics and physics)

TECHNICAL SKILLS

Data Analysis & Computation: Python [SciKitLearn, MatPlotLib, Seaborn, Pandas, NumPy, etc.], C++, Java, OpenCV
Applications: Jupyter Notebook, Git, GitHub, AstroImageJ, Command Prompt, VS Code, PyCharm, 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 various **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.

PROJECT HIGHLIGHTS

Chess Tournament Finder   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** of the list of tournaments to their **email** for easy **online access**.
- Automated a **script** to run every month on laptop start to provide me with new chess tournaments.

EXTRACURRICULAR ACTIVITIES & LEADERSHIP

Schoolhouse.world   Edison, NJ
Senior SAT Bootcamp Tutor   Jan 2024 - Present
- Directed 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 very **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 review**s for the **fun** nature of my lessons.