SULABH KATILA

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EDUCATION

St. Joseph's University   Expected Graduation: May 2026
BS (Honors) in Mathematics & Computer Science   GPA: 3.96
- Honors and Awards: Honor's Program, Esse-Non Videri Excellence Scholarship, Dean's List

TECHNICAL SKILLS

Languages:	Python, C, Java, JavaScript/TypeScript, HTML/CSS, SQL
Tools & Technologies:	Git, GitHub, VS Code, Google Colaboratory
Libraries & Frameworks:	Pandas, NumPy, TensorFlow, Flask, Django, React

EXPERIENCE

CS50, Harvard University (Online, Course Participant)   October 2022 – July 2023
CS50x || **CS50P** || **CS50AI** || **CS50W**
- Gained hands-on experience in problem-solving, algorithmic thinking, and programming with C, Python, JavaScript, and SQL.
- Developed practical expertise in Python programming, incorporating test-driven development and debugging techniques.
- Applied AI/ML solutions for real-world applications including developing a Question Answering system, Minesweeper solver AI, traffic sign identification CNN, and predictive model for online shopping behavior.
- Expanded proficiency in designing and deploying web applications using Python and JavaScript with frameworks such as Django and React, by completing projects including an email platform, social media web app, and e-commerce website.

St. Joseph's University   February 2023 – May 2023
Peer Tutor, Volunteer
- Provided individualized tutoring in calculus and computer science courses, improving students' comprehension of challenging topics and facilitating their academic success.
- Developed customized study plans and teaching strategies, leveraging strong communication and leadership skills to create a collaborative and inclusive learning environment.

PROJECTS

Job-App Bot:
- Engineered a Python program to automate job application tracking, significantly streamlining the process and saving an average of 2 hours per week during peak application seasons.
- Implemented OAuth for secure authentication and integrated PaLM and Google Cloud API automating job application details and status updates in Google Sheets.

Full-Stack Fitness Tracker:
- Developed a responsive and interactive front end using HTML, CSS, and JavaScript, enabling users to track caloric intake, monitor workouts, and achieve fitness goals with detailed nutrition tracking.
- Implemented a robust and efficient backend using Django and Python, ensuring seamless functionality and data management, and deployed the application using Railway.

Fake-News Classification:
- Conducted comprehensive data analysis on a handpicked dataset using Pandas, NumPy, NLTK, and Matplotlib to gain insights into true and fake news articles.
- Achieved 82% accuracy in classifying fake news by developing and training a neural network with TensorFlow, and performed error analysis to gain insights into model limitations and biases.

Personal Portfolio:
- Created a portfolio website using React, TypeScript, and CSS featuring my skills and projects and deployed on GitHub-pages.

LEADERSHIP

Computer Club, Co-Vice President   May 2023 - Present
- Co-lead a team of over 70 members in organizing and managing activities for the college computer club, fostering a vibrant community of technology enthusiasts.

Joe's Investment and Finance Club, Senate Representative   November 2022 - Present
- Participated in discussions in Senate meetings, advocating for the club's interests and sharing ideas to improve campus life.