Suraj Chaudhary

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Education

St. Joseph's University, New York City   Expected Graduation: 2027
Bachelor's in Mathematics and Computer Science (Honors)   *GPA: 4.0*
- **Relevant Coursework:** Data Structures and Algorithm (Java), Object Oriented Programming, Calculus I-II, Discrete Mathematics, Statistics & Probability

Technical Skills

Languages and Technologies: Java, Python, JavaScript, ReactJS, NextJS, TailwindCSS, Amazon Web Services (AWS), Git, GitHub, MySQL, HTML/CSS, Bootstrap, BeautifulSoup, Selenium, Deep Translator, LLM Concepts, AI/ML, Microsoft/Google Workspace

Projects

CookWithThis | [GitHub, Preview] | *React, Vite, Groq API*
- Engineered a responsive React application using the Groq API to generate recipes from user-input ingredients, currently serving **378+ users**
- Implemented a component-based architecture (React Hooks) and a fully automated CI/CD pipeline (GitHub Pages) for efficient state management and fast version updates

AutoWall X | [GitHub, Mac App Store] | *Swift, macOS Development*
- Developed a native macOS menu bar app using **NSWorkspace** and **LaunchAgent** APIs & published it to the Mac App Store
- Achieved **31+ downloads** in the first release by implementing launch-at-login support and scheduled appearance monitoring based on user feedback

KoreaTelecom Scraper | [GitHub] | *Python, BeautifulSoup, DeepTranslator, AWS EC2*
- Built a Python web scraper using BeautifulSoup and DeepTranslator, with automatic Korean-to-English translation
- Deployed on **AWS EC2** with a **weekly cron job**, enabling hands-free data collection and streamlined, reliable long-term operation

Stay Healthy (Chrome Extension)| [GitHub] | *JavaScript, HTML/CSS*
- Developed a Chromium extension that enforces the 20-20-20 eye-strain rule with configurable break intervals
- Added a live countdown timer and dynamic alert system, used regularly by **4+ classmates**, with a lightweight UI for consistent adoption

Experience

President, St. Joseph's Computer Club   Sep 2024 - Present
- Secured a **50% budget increase** ($500 → $750) by driving **47% growth** in member participation through strategic events
- Organized hands-on technical workshops (e.g., GitHub, intro to AI tools) and hosted industry guest speakers, including a **Microsoft Research Principal Researcher**
- Built academic–industry partnerships that expanded project, networking, and mentorship opportunities for students

STEM (Math & CS) Peer Tutor, Academic Center, St. Joseph's University   August 2025 - Present
- Designed and delivered individualized one-on-one tutoring sessions and targeted study plans that directly resulted in students raising their exam grades by **one or more letter grade** across core Math and CS courses
- Delivered individualized tutoring in Statistics, Algebra, Calculus, Discrete Math, and Java OOP, improving comprehension and exam readiness for dozens of students

ACM Hackathon – Winner [DevPost, Demo, GitHub]   April 2025
- Built a 2D game using HTML5 Canvas and JavaScript, implementing efficient collision detection & optimized event loops
- Collaborated on full-stack game development, including concept design, level layout, and gameplay mechanics
- Earned **first place** for technical execution, creativity, and user experience

Founder, High Approach Pvt. Ltd.   Oct 2021 - Jun 2024
- Built and scaled an educational platform using WordPress and custom JavaScript, reaching **70,000+ monthly page views**
- Achieved **5,300+ Google keyword rankings** through targeted SEO strategies, design, and site performance optimization

Involvements and Certifications

Involvements: CodePath, BASTA, Code For Nepal, Bridge to Literacy, Rotary International, International Student Union
Certifications: HarvardX (CS50's Introduction to Computer Science)