Vikram Achuthan

vikramachuthan@u.northwestern.edu | (c) 703-835-3629 | github.com/VikramAchuthan

EDUCATION

Northwestern University **Evanston, Illinois**

B.S. Computer Science, McCormick School of Engineering *Expected June, 2025*

Minor in Economics, Weinberg School of Arts and Science

- Coursework: Linear Algebra, Multivariable Calculus, Accelerated Chemistry, CS 211 (C/C++), Data Structures, Design Thinking and Communication, Engineering Mechanics, Micro/Macro Economics
- GPA: 3.76/4.00

Thomas Jefferson High School for Science and Technology **Alexandria, Virginia**

Computer Systems Lab *Advanced Studies Diploma, 2021*

- Activities: Online Editor-in-chief, tjTODAY; Logistics Committee Head, tjSTAR

WORK EXPERIENCE

Northwestern Department of Computer Science **Evanston, Illinois**

Peer Mentor, CS 111 *August 2022 – Present*

- CS 111 is an introductory course focused on programming fundamentals including lambda abstraction, recursion, graphics, etc.
- Lead hands-on instruction sessions with 5-8 students, hold weekly office hours, answer student questions online, and assist in class administration

The Fresh Market **Vienna, Virginia**

Produce Team Member *June 2021 – August 2021*

- Engaged with customers, restocked produce, maintained cleanliness and organization in product displays, chopped fruits and vegetables for fresh meal production, unloaded biweekly grocery truck

Washington Pride Hockey Club **Bethesda, Maryland**

Software Project Contributor *May 2020 – August 2020*

- Built a program that analyzes the correlation between how early a high school athlete was recruited and how they performed in college
- Applied data visualization libraries to create more appealing and informative graphs

ACTIVITIES AND PROJECTS

Tufaan Entertainment **Evanston, Illinois**

Logistics Co-Lead, Executive Board *October 2021 – Present*

- Northwestern's premier Bollywood-fusion dance competition, hosting 7-9 collegiate teams from North America
- Coordinate with external and internal vendors and resources to manage transportation, food, scheduling, and event operation for 150+ dancers

Portfolio Analysis Project

- Designed and implemented a portfolio analysis tool using Pandas and the Yahoo! Finance API to calculate Rate of Return factoring dividends and splits and compare its performance with that of the major indices

Prosper Loans Learning Project

- Performed a binary classification using a Logistic Regression Model on a set of loan data from Prosper, a peer-to-peer microloan lending platform to help users ascertain which prospective loans will be paid back on time.

The StandUp-HairUp

Co-creator, Design Thinking and Communication Course *January 2022 – March 2022*

- Designed a hair-tie that allows user with limited upper limb mobility or an amputation to tie a high ponytail
- Sharpened project management, iterative design, collaboration, and written/verbal communication skills
- Worked in consultation with patient and occupational therapist at the Shirley Ryan Ability Lab in Chicago, IL.

SKILLS & INTERESTS

Tech Skills: Python, Java, MATLAB, C, C++, HTML/CSS, JavaScript Arduino, ArcGIS, Raspberry Pi, vInDesign, Excel

Soft Skills: Effective communication, collaboration, project management, leadership, organization, positive attitude

Interests: Piano, Tabla, Reading, Politics, Football, Running, Podcasts