

# Nishant Shah

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## Academics/Course Load

University of South Carolina Columbia 2025-2029

- UofSC Honors College, Major: **Computer Engineering**
- Currently enrolled in CSCE 146, Vector Calculus

Dutch Fork High School, 2021-2025

- **5.215** weighted GPA, Ranked **19** out **390**
- **13** AP Classes, all 4s and 5s, AP Calculus BC, AP Physics 1 & 2, AP Statistics; **1530** Composite SAT, **33** ACT

## Professional Experience

UofSCARTS-Lab Research Assistant 2025-Present

- Worked under Mohsen Gol Zardian on part three of the ongoing **Physics-Informed Machine Learning series**
- Soldered wire components to bind accelerometers to ELEGOO Nano-board to collect acceleration data in the x, y, and z direction; developed software to embed governing equations into the hard-constraint machine learning model

T.J. Maxx Associate 2024-2025

- Coordinated Men's and Kid's section, stocking new clothes, garments, accessories, and toys
- Cashier associate, greeted/rang up customers, sorted and processed returns and mismatches, customer service
- Back room associate, unloaded new inventory, processed shoes and suitcases, worked with team to coordinate cleanup

Intern for Computer Science teacher Barry Lindler 2024-2025

- Assisted in teaching a class of 24, structured **15** lesson plans outlining basic Python Object-Oriented Programming using the PyDraw Graphics Library; Helped coordinate STEM events such as STEM Lock-in, STEM Picnic, STEM Observatory

District 5 Computer Science Tutor 2024-2025

- Afterschool tutor for the entire computer science and algebra/calculus series at Dutch Fork High School
- Volunteer Math Tutor, tutored **2-3** students per session

## Projects/Extracurriculars

Gabriella Shumate Memorial Foundation 2025

- Developed a fully-functional website for the Gabriella Shumate Memorial Foundation, highlighting the non-profit's mission statement, backgrounds, ongoing events, and a donation/get involved page
- Utilized Figma modeling as well as various Typescript and React components to develop a sophisticated front-end; Vercel to globally deploy the site; Implemented Stripe to develop a functional and secure payments within the donation page; Neon databases to keep track of donation requests

Kappa Theta Pi Technical Fraternity 2025-Present

- Brother of Kappa Theta Pi, Alpha Theta chapter co-ed professional, specializing in the field of information technology
- Attended technical and professional workshops that highlight various skills including front-end React components, back-end data-base elements as well as resume, interview, and networking skills

Indian Cultural Organization 2025-Present

- Freshman Representative, coordinate campus events such as Gaarba, Diwali, and Holi festivals
- Organize AKR dance competition: escort competing teams, organize mixer games, plan/facilitate after parties

Earth Club President 2024-2025

- Coordinate campus cleanups, recycling projects, and gardening with over 80 people
- Implemented composting initiative to generate natural fertilizer for Dutch Fork High School's greenhouse

## Skills

Python: NumPy, Tensor Flow, ScikitLearn, Matplotlib, PyDraw, Arduino IDE

Java: LinkedLists, Stacks, Queues, Heaps, Binary Search Trees

MicroSoft Office: Excel, Teams, Word

Typescript/React: Tailwind CSS, Node JS, Neon, Vercel, Jira Tasks

OS: Bash commands, Web scraping

## Awards/Achievements

Palmetto Fellow Scholar, Presidential Scholar, Dean's Scholar 2025-2029: Total of **\$112,000** over 4 years

National Merit Qualifier 2023, AP Scholar with Distinction 2023-2024, Mock Trial State Runner-up 2023, All-Region Orchestra 2023