

Nilava Saha

Website: bit.ly/nilavawebsite

Interests:

Since expressing myself is important to me I end up starting small projects and tinkering with things. I have many creative ventures, such as a handmade website that contains my career and academic achievements, and maybe in the future, a homemade server run on Linux that I can remotely connect to and store files. Recently, I made a virtual mouse controllable by the user's hand using computer vision.

Education:

August 2021 - Present

University of Texas at Austin (*Graduating Year of 2025*)

110 Inner Campus Drive, Austin, TX 78712 | (512)- 471-3434

- Junior Year of UT College of Natural Science - Computer Science
- Incorporated and applied advanced coding data structures.

John B Connally High School (*Graduating Year of 2021*)

August 2016 - June 2021

13212 N Lamar Blvd, Austin, TX 78753 | (512)-594-0800

- Class of 2021 Top 6%
 - Pursued in Computer Science and Engineering pathways
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Work Experience:

UT Outreach Summer Camps (*Assistant Teacher/Mentor*)

June 2023 - August 2023

T.S. Painter Hall, 103 W 24th St, Austin, TX 78712 | (512)-471-4992

- Provided an outlet for kids between the ages of 10-15 to gain additional support and assistance during camp residency.
- Instructed classes of 20-23 students on content like Electrical Engineering and Programming

Walmart Supercenter (*Front-End Associate/ Cashier*)

July 2021 - September 2023

1548 FM 685, Pflugerville, TX 78660 | (512)-252-0112

- Periodically supervised a team of 8-12 employees
 - Provided service and assistance to consumers and managed fiscal exchanges
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Projects

Virtual Mouse

October 2023

- Used google's Mediapipe framework as well as their TaskAPI
- Utilized Computer Vision and Multi-Threading to seamlessly implement a virtual mice for Windows

PintOS

January 2023 - May 2023

- Implement priority scheduling, argument passing, and system calls for users programs
- Expanded memory management to include virtual memory and page faulting.
- Converted a single-threaded file system into a multi-threaded, multi-level index.

Personal Website

January 2023 - Present

- Using HTML and CSS to design and format the front page of the website
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Skills

- Proficient in multiple programming languages
 - Java, C, HTML, Git, ...
- Competent in Autodesk Family of Software
 - Inventor, Revit, 360
- Primed to Lead
- Competent in Office 365 Family of Software
 - Word, Powerpoint, Notes, Excel, ...
- CNC, Laser Cutter, 3D Printers