

# Shoham Amartya Sanyal

Cell: 817-760-3742  
Hurst, Texas 76118

Email: shohamsanyal@gmail.com

## TECHNICAL SKILLS

- **Languages:** C++, C, Java, HTML, CSS, Python, MATLAB
- **Operating Systems:** Windows, Linux
- **Relevant Courses:** Digital Systems, Digital Circuits, Electrical Network Analysis, Electronic Devices, Computer Architecture, Embedded Systems

## EDUCATION

**University of Texas at Dallas**  
Bachelor of Science, *Computer Engineering*

May 2024  
GPA: 3.842

## WORK EXPERIENCE

Peer Led – Team Learning: Calculus Tutor January 2022 - Present

- Tutored college students differential calculus, integral calculus, and multi-variable calculus
- Worked with a team of leaders to ensure students are engaged and are understanding the material
- Constructed an environment where students learn from fellow students rather than being taught directly

Mathnasium: Math Tutor December 2019 - March 2020

- Tutored young children from 5-18 years old in mathematics
- Found ways to engage students and encourage them to stay focused
- Communicated with parents on the progress that their student is making

Braum's: Ice Cream Server May 2020 – August 2020

- Provided customers with food and delivered excellent customer service
- Improved drive-through efficiency by 23%
- Worked with a team to ensure the franchise ran smoothly and efficiently

## PROJECTS/RESEARCH EXPERIENCE

**Home Security System** Fall 2021

- Designed a hardware-based system which alerts the user if motion is detected while system is on
- Added a password system using a number pad to turn the system off in case motion is detected
- Implemented a way to notify authorities if password was inputted incorrectly numerous times

**CNN (Cifar-10)** Fall 2021

- Constructed a CNN using Keras to correctly identify images in the Cifar-10 dataset
- Manipulated the layers and weights to see if the accuracy of the model could be improved

## ACHIEVEMENTS

Academic Excellence Scholarship Recipient Fall 2020 – Present