Nirjhar Deb

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Personal Portfolio: https://nirjhardeb.github.io/

EDUCATION

Georgia Institute of Technology   **Atlanta, Georgia**
Bachelor of Science Computer Science   *Expected Graduation, May 2025*
GPA 3.46 (CS 4.0)

PROJECTS

Personal Portfolio Website   **Atlanta, Georgia**
Full-stack Web Developer   *December 2021 – Current*
- Assembled an aesthetic, user-friendly homepage using GitHub Pages, HTML, and CSS to introduce myself, ongoing projects, and various means to contact me.
- Utilized JavaScript to retrieve a user's name, email address, phone number, and their message from a contact form. Applied Google's Firebase software development kit to build a Realtime Database to store this information. Imported the SMTP.js library to send me an email every time new user data is collected from the form.
- Overhauling front-end code to make website more responsive on mobile devices and improve search engine optimization.

Hytech Electric Racing Car   **Atlanta, Georgia**
Data Acquisition Developer   *October 2021 – Current*
- Refining post-race data visualization software using Python and MATLAB to improve future racing outcomes.

HackGT 8: Food Analyzer and Nutrition Tracker   **Atlanta, Georgia**
Hackathon Team Member   *October 2021 – October 2021*
- Imported Python's OpenCV library to utilize the computer webcam to take a photograph of a food item and employed Google Vision's API to process the image and recognize the food.
- Scanned and parsed the FoodData Central database to find the food's nutrition information.
- Designed a Graphical User Interface using the PyQt toolkit to display the food photograph and nutrition details.

Platformer Paradise: Virtual Reality Game   **Doha, Qatar**
Team Lead   *January 2020 – May 2020*
- Developed a virtual reality parkour game using C# and 3D modeling in Unity Game Engine.
- Presented to students and parents at the school's MakerFaire and the Qatar National Library.

ACTIVITIES AND LEADERSHIP

School International Week   **Doha, Qatar**
Master of Ceremonies and Motivational Speaker   *November 2019 – December 2019*
- Assisted school administration and director to execute the opening ceremony and celebrate various nationalities and cultures in the school.
- Delivered a speech to a 3,000-person audience about learning from mistakes and achieving goals.

TEDx Talk: How Microfinance Can Help to Combat Poverty   **Doha, Qatar**
Speaker   *January 2019 – March 2019*
- Selected by school to present my speech on the benefits of microfinance technology to a 100-person audience.

SKILLS

Programming: Java, Python, HTML, CSS, JavaScript, MATLAB, C#
Frameworks and Tools: Git, GitHub, Visual Studio Code, Firebase
Languages:
- Native: English
- Working Proficiency: Spanish

Relevant Coursework: Object-Oriented Programming, Data Structures, Discrete Mathematics