

Nirjhar Deb

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EDUCATION

Georgia Institute of Technology

Bachelor of Science Computer Science

Atlanta, Georgia

Expected Graduation, May 2025

American School of Doha

High School Diploma

Doha, Qatar

Graduated, May 2021

PROJECTS

Hytech Electric Racing Car

Data Acquisition Developer

Atlanta, Georgia

October 2021 – Current

- Refining post-race data visualization software using Python to improve future racing outcomes

HackGT 8: Food Analyzer and Nutrition Tracker

Hackathon Team Member

Atlanta, Georgia

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

Economic Viability of Offshore Wind Farms in Qatar

Personal Unpublished Research

Doha, Qatar

September 2020 – May 2021

- Evaluated the economic viability of a hypothetical offshore wind farm to mitigate over-exploitation of Qatar's liquefied natural gas, using Wind Rose Plots for Meteorological Data software and Excel spreadsheets
- Analyzed a large dataset generated by the Global Weather Research and Forecasting model, with advice from local environmental engineers and climate scientists

Platformer Paradise: Virtual Reality Game

Team Lead

Doha, Qatar

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

Master of Ceremonies and Motivational Speaker

Doha, Qatar

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

Speaker

Doha, Qatar

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, C#

Frameworks and Tools: Git, Visual Studio Code

Languages:

- Native: English
- Working Proficiency: Spanish

Relevant Coursework: Object-Oriented Programming