

Sidhant Bhavnani

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EDUCATION

University of Glasgow, Scotland, United Kingdom
M.Sci. Computing Science, Faster Route Excellence Scholar

Expected: June 2023

Current GPA: 20/22

Relevant coursework:

Algorithmic Foundations 2, Algorithms & Data Structures 2, Java Programming 2, Networks & Operating Systems Essentials 2, Object-Oriented Software Engineering 2, Web Application Development 2, Calculus 1, Graphs & Networks 1.

Online/Audited Coursework

Summer School on Privacy and Security in Online Social Networks, IIIT-Hyderabad
Design and Development of Educational Technology, MITx on EdX
Introduction to Computer Science and Programming Using Python, MITx on EdX
Introduction to Computing with Java, HKUSTx on EdX

The Mother's International School, New Delhi, India

July 2019

CBSE AISSCE, Dharamveer Gajra Memorial Scholar for Positive Work in the Field of Computing

Coursework: English, Political Science, History, Mathematics, Economics, Computer Science

EXPERIENCE

Head of Curriculum and Instruction, The Girl Code

February 2017 - February 2019

- Designed a curriculum to introduce middle school students to programming through Python.
- Contributed towards building our open-source teaching platform using MEAN Stack.
- The curriculum has been used by 1500+ students across India, United States and Singapore.
- Collaborated with Institute of Application of Learning Science and Education Technology at the National University of Singapore to release and implement the second iteration of the curriculum.

Open-Source Contributor, Sugar Labs

October 2017 - February 2018

- Worked with the Sugarizer(web app) team to build a Sudoku app for their platform using Javascript.
- Built and deployed IRC Bot using Python(socket.io and nltk) to respond to common questions related to the Sugar Platform.
- Resolved bugs on the main Sugar platform.
- Mentored middle and high school students during the Google Code-In. Youngest mentor in the team.
- Maintainer of the Cartoon-Builder Activity for Sugar.

Web Developer and Python Instructor, Data Science for India

July 2017 - December 2017

- Taught an introduction to data science course to high school students.
- Worked with the UC Berkeley curriculum team to iterate on and improve the curriculum.
- Worked in the web development team to build the online platform to host our course material and automate evaluation using jupyter notebooks and by creating a RESTful API using Django.

SELECTED WEEKEND & HACKATHON PROJECTS

File Transfer CLI, <https://git.io/JeoAF>

October 2019

A FTP Protocol and CLI written from scratch using the socket.io library in Python.

Computing Integrals, <https://git.io/JeoxU>

October 2019

A comparative study of the performance and accuracy of Monte Carlo and Riemann Sum definite integrals.

RSA Encryption and Decryption, <https://git.io/JeoxQ>

December 2018

Implemented the RSA Public Encryption algorithm with C++ This was my 12th grade project.

Apollo, <https://git.io/JeoxI>

October 2017

An end-to-end travel app written using the Facebook and MakeMyTrip APIs, Firebase and MEAN Stack. It was the overall winner of the ShriTeq Hackathon.

SKILLS

Experience in: Python, Java, MySQL, SCSS, React, Django, Git

Exposure to: C++, Angular, Node, Express, MongoDB