Shafali Gupta

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EDUCATION

Macaulay Honors College at Hunter College (CUNY)   **New York, NY**
Bachelor of Arts in Computer Science & Minor: Math and Economics | GPA: 4.0   Expected May 2023
Daedalus Computer Science Honors Program

Stuyvesant High School   **New York, NY**
High School Diploma | GPA: 3.7   June 2019
Related coursework: Data Structures and Algorithms, Discrete Math, Software Development and Design, Systems Level Programming, Computer Architecture, AP Computer Science

AWARDS AND HONORS

TechTogether New York Hackathon, Best Gaming Hack   October 2019
CUNY Hackathon 2019, 1st Place Winner (out of 45 teams)   October 2019

TECHNICAL SKILLS

Coding Languages:	Python (Advanced), C++ (Intermediate), Java (Intermediate), JavaScript (Intermediate)
Platforms:	GitHub, Jupyter Notebook, Adobe Photoshop & Illustrator
Frameworks:	Flask, Django, Pygame, Bootstrap
Databases:	Postgres, MySQL
Spoken Languages:	English (native), Hindi (conversational), Punjabi (conversational)

EXPERIENCE

The WIT Project   **New York, NY**
Software Engineer   January 2020 - June 2020
- Selected to participate in a software engineering training program empowering underrepresented female college students to break into tech through socially impactful software development experiences
- Developed a machine learning driven web application written in Python using Django for the nonprofit YearUp's mentorship program, to be piloted in August 2020 by ~100 users at Facebook and projected to ~9,000 users in 2021
- Designed and created a REST API to retrieve data from Postgres and returned mentor/student matches from the machine learning algorithm
- Collaborated on developing the machine learning algorithm matching students to mentors using Pandas, Numpy, Scikit-Learn, and Matching (Graph Theory Library)
- Created user profile and mentor matching features through Django models, views, and templates backed by a Postgres Database

Xandr   **New York, NY**
Software Engineer Intern   January 2020
- Led the development of a slack chatbot application automating and increasing anonymous feedback engagement from all Xandr employees utilizing Python, Slack API, Real Time Messaging API to send, receive, and analyze messages in real time
- Supported the community team in prioritizing organizational improvements with automated, processed, and summarized feedback produced by the slack chatbot app
- Designed system architecture for slack chatbot solution and supporting UML Diagrams

BossGirls Bootcamp   **New York, NY**
Entrepreneurship Intern   July 2018 – August 2018
- Designed a business that pairs children of immigrant families with mentors of the same background to guide incoming students through the American school system
- Developed a user-friendly website in Python, HTML, CSS, and JavaScript that allows immigrant families to register for a secure portal that translates English webpages to their native tongue in conjunction with Google Translate API
- Pitched the product to Standard Charter investors to seek potential funding for initiative

PROJECTS

Turtles in Trouble   **New York, NY**
Python, Pygame   October 2019
- Won 1st place in the CUNY Hackathon out of 45 teams across all CUNY students
- Developed a game using the Pygame library in a team of three, where the user navigates through a trash-polluted coral reef as a turtle to educate children about environmental issues and their individual impact on the environment

FitByBit   **New York, NY**
Python, Flask, JavaScript, SQL   June 2019
- Managed a team of four to create a web app that connects the user's Fitbit account and generates a meal plan based on their physical activity and goals while displaying graphs to show their progress
- Integrated the Fitbit API, Recipe Search API, and Food and Grocery API to analyze data and create suggestions