

Sahil Arora

484-893-9692 • sarora@gatech.edu • linkedin.com/in/sahilarora3 • US Citizen

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia

August 2015 - December 2019

- Bachelor of Science in Computer Science (Intelligence and Modeling & Simulation)
- Overall GPA: 3.4/4.0, Major GPA: 3.5/4.0

CPE Lyon, Lyon, France

May 2017 - July 2017

- Studied in BEST (Biomolecular Engineering, Science and Technology) Program for Georgia Tech

EXPERIENCE

Novo Nordisk

June 2018 - Present

Data Analytics Intern

- Gathered business requirements within Business Management Team and CMR Operations Department to identify issues with budget entry and possible optimizations in budget management process
- Developed user interface for CMR Operations so users can add, search, filter and analyze budget line items with ease while working with the spreadsheet simultaneously
- Automated process of distributing, aggregating, and sorting of over 10,000 line items using CSV outputs in Python and Excel VBA macros
- Increased process efficiency by 75% saving an estimated \$50,000 a year within Business Management Team

Sulchek BioMEMS and Biomechanics Lab

January 2016 - Present

Research Assistant

- Conducted independent research in gold-silica Janus particles and gold nanoparticles with Laser Dynamics Lab
- Directed near infrared light at gold nanorods to observe Janus particle locomotion under electron microscopy
- Publishing a paper on novel form of particle motion known as photothermal propulsion

PROJECTS

Digit Recogniton App

- Developed an Electron client web app that allows handwritten digits to be drawn using Node.js and Angular
- Trained a multiclass logistic regression model using the MNIST dataset
- Implemented neural network to test user input with Microsoft Azure Machine Learning Studio

NBAPI Dayfinder

- Developed Django web app that shows the best basketball player based on user input with React.js and jQuery
- Parsed JSON data from stats.nba.com with pandas in Python and stored player data in SQLite3 database

LEADERSHIP

International Society for Pharmaceutical Engineering, Cofounder & Vice President

September 2016 - Present

- Founded local chapter with international society, industry professionals and advising professor
- Organized networking events and research talks for industry professionals, academics, and fellow students

Wish for WASH LLC, Member

August 2015 – Present

- Researched costs and developed designs for a ventilation improved pit latrine for Global Growers garden
- Built wooden outhouse structure on site and designed toilet lids in Solidworks for unique Wish for Wash toilet

Mock Trial, Attorney

August 2015 - Present

- Performed arguments and examinations against other colleges at nationwide invitational competitions
- Advanced to national competition and placed 4th out of 350 colleges

SKILLS

Software: MATLAB, Google Cloud, Amazon Web Services, SolidWorks, ASPEN, Rstudio, Microsoft Office Suite

Programming: Java, C, Python, Javascript, R, HTML/CSS

Coursework: Machine Learning* (current), Artificial Intelligence*, Computer Networks and Systems*, Object Oriented Programming, Computer Organization, Data Structures and Algorithms, Numerical Methods (Chemical Engineering)

Operating Systems: Ubuntu (Unix), Windows