

## EDUCATION

Bachelors of Science, **Cornell University**, College of Engineering Aug 2017 - May 2021  
• Major: **Electrical and Computer Engineering** • GPA: **3.81**  
◦ Object Oriented Programming & Data Structures ◦ Probability & Inference ◦ Digital Signal & Image Processing ◦  
◦ Financial Accounting ◦ Digital Logic & Computer Organization ◦ Computer Networks & Telecommunications ◦

## EXPERIENCE

**Credit Agricole Corporate Investment Bank**, New York, NY Jun - Aug 2020  
*Trainee, Vendor Management*

- Designed and established a workflow for reconciling a Vendor risk database and a Vendor payment system
- Communicated with division heads across the company for Vendor on-boarding information
- Tracked and reported the progress of reconciliation to senior management
- Documented the procedure to be added to the official Vendor management policy
- Presented a series of procedural changes that would streamline future reconciliation processes

*Intern, Information Systems Security* May - Aug 2019

- Researched data classification requirements and analyzed toolset capability
- Articulated a rationale and a tool implementation approach to senior management
- Tracked and reported outbound emails sent by terminated employees using a Data Loss Prevention system
- Extracted, merged, and analyzed data from an identity access management application and Active Directory
- Recertified user access entitlements (blocked websites, USB ports) with compliance and department heads
- Assisted in multiple IT security training sessions - phishing, upper management security, and new user agreements

**AguaClara Project Team**, Cornell University Jan 2020 - Present  
*Community Chair*

- Plan team-building events for the AguaClara project team members

*Sensor Development Subteam* Jan 2018 - May 2020

- Work in a team of four to build a low-cost turbidity meter to check the efficiency of water filtration plants
- Design and embed sensor circuits into structures that assimilate into a water filtration plant

**Matlab Consultant**, CS 1112 and CS 1132, Cornell University Aug 2018 - Dec 2019  
• Graded projects and exams, held consulting hours, and attended weekly recitations to help students

**Language House**, Cornell University Aug 2019 - Present  
*Council Chair*

- Lead bi-weekly meetings with the council to plan enriching social events for Language House members

*Spanish section* Aug 2018 - Present

- Practice Spanish for 5 hours per week in an immersive group setting

**Business & Entrepreneurship Program**, NSLC, Yale University Jun - Jul 2016

- Collaborated with a cross-functional team of 15 to develop a product for football players and presented it to judges
- Participated in the finance team of a hotel management business stimulation

## PROJECTS

**Automatic Segmentation of Brain MRI Scans**, ECE 4250, Cornell University Apr - May 2020  
• Implemented Image processing and Machine Learning (optimization algorithms, label fusion, and normalization) in Python

**Maze-Mapping Robot**, ECE 3400, Cornell University Aug - Dec 2019

- Built a robot that traverses (BFS) and draws the maze topography in a team of 4 using Arduinos and an FPGA board
- Developed collision avoidance (walls and robots) and straight line traversal using light sensors
- Set up radio transmission between robot and base station to communicate information about the environment
- Programmed base station Arduino to communicate with an FPGA which draws the maze on a monitor

## SKILLS

- Experienced in **Matlab, Java, Python, C, Swift, Assembly, Verilog**, and **OnShape**
- Fluent in **English, Hindi, Marathi**. Intermediate in **Spanish, German, Sanskrit**, and **Sindhi**
- New York State **Real Estate** Salesperson Licensing Course, NYREI