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# Rohit Bandaru

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## EDUCATION

Ithaca, NY                                      **Cornell University**                                      2015 – May 2019 (Expected)

- Bachelor of Science in **Electrical and Computer Engineering**, minor in Computer Science and Biological Engineering, **GPA: 3.69**
- Undergraduate Coursework (\* in progress): Embedded Systems\*, Databases\*, Probability and Inference for Random Signals and Systems\*, Digital Logic and Computer Organization, Data Structures, Circuits, Principles of Biological Engineering, Discrete Structures

Chelmsford, MA                                      **Chelmsford High School**                                      2011-2015

- **GPA: 4.08**, Faculty Association Award in Mathematics and Science
- President of Math Team, Science Organization, and Key Club

## EXPERIENCE

Intern    **Huna Makia**    January - February 2017

- Developed EngageApp, an iOS application built on the Huna Makia API which allows users to search their professional database for a professional contact to leave a ringless voicemail
- Ran extensive user testing and feedback cycles to design the app to be as engaging as possible
- Formulated ideas for further applications of the dataset after being trained in database queries and packages such as numpy, pandas, and scikit-learn

Software Team Member                                      **Autonomous Bicycle Team**                                      February 2017 - Present

- Develop a web application to direct the bicycle by setting waypoints using the Google maps API
- Display real time data visualization to debug the autonomous bicycle

Team Member    **Cornell iGEM**    February 2016 - Present

- Work to clone and test bacteriocin genes into bacterial plasmids to create a more precise and effective treatment for bovine mastitis
- Contacted 12 companies for partnership opportunities and ran a crowdfunding campaign
- Advance the project entrepreneurially by writing a business plan and performing market analysis
- Develop software and hardware to complement the biological aspect of the project

Team Member    **Green Revolving Fund**                                      September – December 2015

- Worked in a team to technically analyze and form a business proposal to upgrade Cornell's aging outdoor lighting technology with more energy efficient LED units
- Promoted the project to facilities managers on campus to gain insights into proper implantation

## PROJECTS

BigRed//Hacks F16    **HeapSort**    September 2016

- Worked in a team to develop a web and mobile application to help users know which trash items are recyclable or compostable.
- Used Microsoft Cognitive Services APIs and Azure to develop its functionality.
- Implemented data analysis and D3 visualization to demonstrate further applications

## SKILLS

- **Programming:** Python, Java, Swift/iOS, HTML, JavaScript, CSS, Git, Matlab, SQL, C
- **UI/UX Design:** Sketch, Adobe Photoshop, Invision, Adobe Illustrator