

# DEEPTI UPMAKA

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## EDUCATION

**Rutgers University** | New Brunswick, Piscataway, NJ

Anticipated Graduation: **May 2019**

**B.S. Electrical and Computer Engineering**

Cumulative GPA: **3.69/4.00**

**Double Major in Computer Science**

### Relevant Coursework

Software: Data Structures, Computer Algorithms (current), Computer Architecture, Systems Programming

Hardware: Electronic Devices (current), Digital Logic Design, Principles of Electrical Engineering

## HONORS & AWARDS

Dean's List

*All Semesters*

Deloitte National Leadership Conference (DNLC)

*July 2017*

Merit Based James Dickson Carr Scholarship, \$10,000 per year

*August 2015 – Present*

Engineering Honors Academy

*August 2015 – Present*

## SKILLS

**Programming:** Java, Go Language, C, HTML, Matlab, MariaDB, Visual Studio C#, JavaScript, CSS, Assembly

**Applications:** GitHub, Linux/Ubuntu Environment, Nmap, Microsoft Office

**Languages:** English (Native), Telugu (Native), French (Intermediate)

## WORK EXPERIENCE

**LGS Innovations | Software Security Engineer Intern**

*June 2017– August 2017*

Dynamically Rotating VPN Service

- Designed and implemented the basic user GUI to provide an intuitive dashboard for their resource management through the use of HTML, JavaScript, Go Language and MariaDB.
- Created a Health Monitoring System that records the health of the service. Implemented tests such as Ping IP and Check DNS Lookup. Performed the Firewall Rules Validation by writing an Nmap wrapper in Go.

**Keysight Technologies | Custom UI Developer**

*August 2016*

- Developed UI in Visual Studio to allow customers to use SystemVue with more ease.
- Received a letter of recognition from the Keysight Technologies project manager.

**Aresty Summer Science Program | Research Assistant Intern**

*June 2016 – July 2016*

- Used Matlab and convolutional neural networks (CNN) for automatic segmentation to categorize various types of foods. Increased accuracy by 10%.

## LEADERSHIP EXPERIENCE

**Institute of Electrical and Electronics Engineers (IEEE) | Rutgers Student Chapter**

**Vice President**

*May 2017 – Present*

- Working towards expanding the organization's reach and impact.

**Quadcopter Co-lead**

*May 2016 – Present*

- Using computer vision to recognize and locate objects in the surrounding environment.

**Professional Relations Chair**

*May 2016 – May 2017*

- Attained sponsorships and hosted events with companies such as Lockheed Martin, Ericsson, Blackrock and Credit Suisse.

**Eta Kappa Nu (HKN) Honors Society of IEEE | Co-Events Coordinator**

*May 2017 – Present*

**R.E.A.L (Rutgers Engineers Assessing Literature) | Discussion Facilitator**

*September 2015 – May 2016*

## OTHER ACTIVITIES

**Society of Women Engineers (SWE)**

*September 2015 – Present*

**Rutgers STEAM— STEM x Arts**

*September 2016 – Present*