

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