# Shouvik Mani

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| **EDUCATION** | **Carnegie Mellon University** \| Pittsburgh, PA \| 2014 – 2018 |

- Major: Statistics and Machine Learning
- Relevant Courses: Fundamentals of Programming and CS, Algorithms and Advanced Data Structures, Principles of Imperative Computation, Statistical Reasoning and Practice, Data Visualization & Design

**Lynbrook High School** \| San Jose, CA \| 2010 – 2014

## SKILLS

Python  |  C  |  Java  |  Django  |  Tornado  |  Ruby on Rails |  SQL  |  Redis  |  HTML  |  CSS  |  Javascript  |  Photoshop  |  Illustrator

## WORK EXPERIENCE

**CREATE Lab** \| Technical Research Assistant \| Carnegie Mellon University \| Feb 2015 – Present

- Working on software for the Speck Sensor, an indoor air quality monitor that is empowering people to understand and take control of their air quality
- Used Javascript to develop a map-based visualization of air pollution in U.S. cities that pulls real-time data from federal air quality sensors (Link: bit.ly/1TcBPZM)

**Palo Alto Networks** \| Software Engineering Intern \| Santa Clara, CA \| May 2015 – August 2015

- Developed a bug tracking and analytics tool to replace an existing Bugzilla system and support engineers with real-time bug information, metrics, and visualizations
- Implemented both the back-end and front-end of the internal web application using Python, Tornado, SQL, Redis, HTML, CSS, and Javascript
- Collected end-user feedback over multiple iterations to shape the product's functionality and design, presented the project to the whole company at an end-of-summer intern event

**CK-12 Foundation** \| Content Intern \| Palo Alto, CA \| June 2014 – August 2014

- Won 1st Place in CK-12 Website Redesign Challenge; redesigned the site's user interface and developed wireframes and Photoshop mockups (Link: bit.ly/13Xtc1l)
- Led an intern-driven marketing effort to reach out to teachers and school district officials
- Created interactive Flash-based modules to illustrate math and science concepts through visually-rich content

## PROJECT EXPERIENCE

**Metrics Insights Reporting Tool (MIRT) |** Moneythink CMU \| Link: mirt.herokuapp.com

- Developed a mobile-ready web app that collects metrics and reports insights on student learning outcomes for Moneythink, a financial literacy organization at Carnegie Mellon
- MIRT is actively used by Moneythink mentors to improve their instruction with data-driven insights for over 250 Pittsburgh high school students
- Implemented with a Ruby on Rails back-end and HTML, CSS, and Javascript front-end

**HubUp |** Carnegie Mellon University \| Link: hubup.herokuapp.com

- Built an innovative web application that allows users to create and discover public events
- Utilized technologies such as Django, Google Maps API, and Bootstrap to create a fully functional product with a stunning user interface

## EXTRA-CURRICULAR EXPERIENCE

**Moneythink CMU |** Carnegie Mellon University \| September 2014 – Present

- Taught personal finance in Pittsburgh high schools to boost youth financial literacy
- Led other mentors in planning and teaching engaging lessons as Mentor Captain

**Journalism |** Lynbrook High School \| August 2012 – June 2014

- Served as staff writer for *The Epic*, Lynbrook High School's official news magazine
- Designed visually compelling graphics with Adobe Photoshop and InDesign

## AWARDS & HONORS

**CK-12 Website Redesign Challenge** (1st Place) – 2014
**National Merit Scholarship Commendation** – 2013