Shouvik Mani

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Website: www.shouvikmani.me | GitHub

EDUCATION

Carnegie Mellon University | Pittsburgh, PA | 2014 – 2018
- Major: Statistics and Machine Learning
- Relevant Courses: Fundamentals of Programming and CS, 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

Palo Alto Networks | Software Engineering Intern | Santa Clara, CA | May 2015 – Present
- Developing a bug tracking and analytics tool to replace an existing Bugzilla system and support engineers with real-time bug information, metrics, and visualizations
- Building both the back-end and front-end of the internal web application using Python, Tornado, SQL, Redis, HTML, CSS, and Javascript
- Regularly incorporating feedback from the end-users to shape the product's functionality and design

CREATE Lab | Technical Research Assistant | Carnegie Mellon University | Feb – May 2015
- Working on software for the Speck Sensor, a CREATE Lab project that is empowering individuals 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)

CK-12 Foundation | Content/Design 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 Learning Objects (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 and serve over 250 Pittsburgh high school students
- Implemented with a Ruby on Rails back end and HTML, CSS, and Bootstrap front end

HubUp (CS Term Project) | 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
- Staff writer/designer 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