Kunal Baweja

515 West, 111th Street. Apt-2F, New York, NY-10025 | +1-914-689-5240 | kunal.baweja@columbia.edu https://github.com/bawejakunal | https://www.linkedin.com/in/kunal-baweja

Education	
 Columbia University in the City of New York, USA MS in Computer Science, GPA: 4.0/4.0 	Expected Dec 2017
• Birla Institute of Technology & Science, Pilani K.K. Birla Goa Campus, India B.E.(Hons.) in Computer Science, GPA: 7.49/10	Aug 2011 - May 2015
Professional Experience	
 Digital Centers Teaching Internship, Columbia University Weekly Python programming lectures and workshops, open to everyone. 	Sept 2016 - Present
 Research Internship at TSUNAMi Center, National University of Singapore Web and systems security, applied cryptography and distributed systems. 	June 2015 - May 2016
 Summer Internship at Bentley Systems Inc., India Prototype and REST API development for Bentley Connect Interoperability Services 	May 2014 - July 2014
• Summer Internship at Bharat Heavy Electricals Limited, India - Software Development for BHEL Online Meeting Management System	May 2013 - July 2013
Projects	
 ParkWizard - Real Time Street Parking Information Android application to search and crowd information of street parking locations, backed by AWS, Elasticsearch and Google Maps & Cloud Messaging Github: https://github.com/sas2387/ParkWizard 	Dec 2016
 2. A Secure Sharding Protocol for Open Blockchains [Accepted: CCS-2016] ACM Conference on Computer and Communications Security, 2016 Weblink: http://dl.acm.org/citation.cfm?doid=2976749.2978389 Authors: Loi Luu, Viswesh Narayanan, Chaodong Zheng, Kunal Baweja, Seth Gilbert, Prateek 	Oct 2016 Saxena
3. Web Application Vulnerability Scanner - Active fuzzer to detect SQL injections, RXSS, Open Redirection, LFI and RFI vulnerabilities	Jan 2016 - June 2016
 4. WeShare: A Coercion Resistant & Scalable Storage Cloud [Undergraduate Thesis] - A Google Chrome Extension to securely share files over cloud storage services. - Github: https://github.com/bawejakunal/MyCrest 	June 2015 - Aug 2015
 5. A Vnode Level Stackable Encrypted Filesystem [Undergraduate Thesis] - 256 bit AES-CTR encryption with address space operations on top of WrapFS - Github: https://github.com/bawejakunal/wrapfs-aes 	Jan 2015 - Mar 2015
 6. Bentley Connect Interoperability Services (BCIS) - Developed REST API endpoints and prototypes for BCIS to synchronize data and services among various stakeholders of an infrastructure development project. 	May 2014 - July 2014
 7. BHEL Online Meeting Management System Currently used by 2000 employees at Bharat Heavy Electricals Limited, Bhopal. Salient Features: email reminders, calendar updates, file uploads, employee name search Demo Presentation: https://goo.gl/2g8aAo 	May 2013 - Jul 2013
Certifications & Technical Skills	

- Coursera.org Certifications
 - Python For Everybody by University of Michigan (5 course specialization) [Certificate Link]
 - Machine Learning Foundations: A Case Study Approach by University of Washington [Certificate Link]

• Technical Skills

C, Java, Python, JavaScript, SQL, HTML5, CSS3, MVC Frameworks, Django, AWS