

## Education

- Columbia University in the City of New York, USA  
MS in Computer Science  
Sept 2016 - 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

## Employment

- **Digital Centers Teaching Internship, Columbia University**  
- Open for all labs and workshops on Python programming language.  
Sept 2016 - May 2017
- **Research Internship at TSUNAMi Center, National University of Singapore**  
- Web and systems security, applied cryptography and distributed systems.  
Jun 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

## Publication & Projects

1. **A Secure Sharding Protocol for Open Blockchains [Accepted: CCS-2016]**  
- ACM Conference on Computer and Communications Security, 2016  
- Authors: Loi Luu, Viswesh Narayanan, Chaodong Zheng, Kunal Baweja, Seth Gilbert, Prateek Saxena  
Oct 2016
2. **Web Application Vulnerability Scanner**  
- Active fuzzer to detect SQL injections, RXSS, LFI and RFI vulnerabilities  
Jan 2016 - Jun 2016
3. **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>  
- Poster: [http://www.ieee-security.org/TC/SP2015/posters/paper\\_8.pdf](http://www.ieee-security.org/TC/SP2015/posters/paper_8.pdf)  
Jun 2015 - Aug 2015
4. **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
5. **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
6. **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  
- Weblink: [Demo Presentation](#)  
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, C++, Java, Python, JavaScript, MySQL, HTML5, CSS3, ASP .NET/MVC Framework, Django Framework