

# Gyanendra Mishra

<https://gyani.net> | See the projects page for more projects  
[anomaly.the@gmail.com](mailto:anomaly.the@gmail.com)

## EDUCATION

### BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE

BE IN COMPUTER SCIENCE  
July 2017 | Pilani, Rajasthan  
Cum. GPA: 8.09

## LINKS

Github:// [h4ck3rk3y](#)  
LinkedIn:// [mishragyanendra](#)  
Twitter:// [@\\_gyani\\_](#)

## COURSEWORK

### UNDERGRADUATE

Information Retrieval  
Machine Learning  
Operating Systems  
Cryptography  
Network Security

## SKILLS

### PROGRAMMING

Proficient  
Python • C++ • C  
Familiar  
Lua • JavaScript • Java

### FRAMEWORKS

Familiar  
Django • Flask

## EXPERIENCE

### BLOOMBERG L.P SOFTWARE ENGINEER

September 2017 - Present | London

- SSEOMS is Bloomberg's solution for all workflows of a sell side firm spanning equity and derivatives.
- Developed, as a pre-trainee a snooze feature for the SSEOMS's FIX sessions monitor, drastically lowering the alarms created by the monitor.
- Enhanced the FIX sessions monitor by moving away from workflows stored in the database to packaged and versioned workflows.
- Attended the 12 week long required training for new hires in Bloomberg.

### ITRUST CENTER FOR CYBER SECURITY | RESEARCH ASSISTANT

Jan 2017 - June 2017 | Singapore

- Conducted research on the security of Cyber Physical Systems with a focus on Water Distribution Networks
- Developed tools to attack the in house Water Distribution Testbed called WADI.

### DIRECTI | SOFTWARE ENGINEERING INTERN

May 2016 - July 2016 | Mumbai, IN

- Orderbox is the backend to Hostgator, Bluehost, BigRock, and thousands of others domain name resellers.
- Researched penetration test reports for the Orderbox Platform
- Enhanced the overall security of the web application by removing the looking for and removing the reported vulnerabilities throughout the application.

### NMAP SECURITY SCANNER | GOOGLE SUMMER OF CODE 2015 | WEB SCANNING SPECIALIST

May 2015 - Aug 2015 | New Delhi, India

- Nmap Security Scanner is the leading port scanning tool used by security professionals and network administrators across the globe
- Implemented several scripts and libraries for the Nmap Scripting Engine aimed at fingerprinting, detection and exploitation of web applications

## SIDE PROJECTS

### COMPILER IN C Jan 2016 - Apr 2016

- Implemented a compiler in C to compile a toy language to NASM it included a lexer, parser, semantic analyzer, type checker and code generator

### ROUTERUSH Jan 2016 - Mar 2016

- Developed a budget based randomized itinerary creator that creates around the world trip itineraries almost instantly

## AWARDS

2016 108<sup>th</sup> /3000

2016 4<sup>th</sup>

2016 4<sup>th</sup>

2015 Selected among 6000 other applicants

Google APAC Round A 2016

IndiaHacks, Online Commerce

IndiaHacks, Travel and Transport

Google Summer of Code 2015