

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
Compiler Construction
Design And Analysis Of Algorithms
Computer Networks
Discrete Structures
Database Systems
Network Security
Object Oriented Programming

SKILLS

PROGRAMMING

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

TOOLS

Familiar
Django • Flask • Kafka

RESEARCH

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 test bed called WADI.
- Research accepted at major conferences.

EXPERIENCE

BLOOMBERG L.P SOFTWARE ENGINEER

September 2017 - Present | London

- SSEOMS enables brokers to electronically trade 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.
- Improving front office FIX connectivity by building fast, reliable and highly available systems.

GO-JEK | PRODUCT ENGINEER INTERN

July 2017 - August 2017 | Bangalore, IN

- Go-JEK is a hyper-local transport, logistics, payments startup and also Indonesia's first Unicorn.
- Learned skills essential for high quality software engineering through an intensive 7 week boot-camp.
- Authored several posts one being highly recommended on their blog.

DIRECTI WEB TECHNOLOGY | SOFTWARE ENGINEERING INTERN

May 2016 - July 2016 | Mumbai, IN

- Orderbox is a domains web products automation platform for registrars, registries, re-sellers and web hosts.
- Investigated penetration test reports for the Orderbox platform.
- Increased the overall security of the web applications by building a hardened system free from the reported vulnerabilities.

NMAP | GOOGLE SUMMER OF CODE 2015| WEB SCANNING SPECIALIST

May 2015 - Aug 2015 | Remote

- Implemented several scripts and libraries for the Nmap Scripting Engine aimed at fingerprinting, detection and exploitation of web applications
- Acknowledged in Nmap 7.0.0 release notes with several scripts being honorably mentioned.

SIDE PROJECTS

JASOOS February 2017

- A python static code analyzer that navigates the abstract syntax tree of Github repositories to identify security flaws.
- Classifies and prioritizes vulnerabilities presenting them via a web app or JSON API.

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

VOLUNTEERING

INDIAN RED CROSS SOCIETY May 2015 - July 2015 | New Delhi, India

- Designed and built a web application for managing, contacting and deploying first medical responders.
- Significantly reduced paper-work and latency in contacting first medical responders in case of emergency.