

Gyanendra Mishra

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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 • Go

TOOLS

Familiar

Redis • Flask • Kafka • MongoDB

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 testbed called WADI.

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.
- Enhancing the FIX Sessions monitor by adding more robust features.
- 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 application 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

GO-8 Apr 2018 - May 2018

- Developed an emulator of the Chip-8 platform capable of running games like PONG and INVADERS in an effort to learn emulation and Golang.

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.

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.