

Suyash Kumar

SOFTWARE ENGINEER

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Education

BITS Pilani(Birla Institute of Technology and Science)

B.E.(HONS) IN COMPUTER SCIENCE AND ENGINEERING

- CGPA : 8.39

Pilani, India

Aug. 2014 - Aug. 2018

Experience

Samsung R&D Institute

SOFTWARE ENGINEER

- Currently working with the Camera Systems team for the bring-up and development support of cameras in new mobile devices.
- Owned the development of camera for new models at the HAL (Hardware Abstraction Layer) and the Kernel layers.
- Developed various scripts to automate daily tasks such as KPI collection and aggregation, as well as other internal processes.
- Worked with a multicultural team with members from India, South Korea, Vietnam and China.

Bangalore, India

Sep. 2018 - PRESENT

Zynga

SOFTWARE ENGINEER INTERN

- Helped create a microservice that enabled the organisation to be GDPR compliant.
- Wrote scalable web APIs in Go and unit-tests, regression tests for the system
- Found and suggested key points where the system can be optimized and the development overhead can be reduced

Bangalore, India

Jan. 2018 - Jun. 2018

Samsung R&D Institute

SOFTWARE ENGINEER INTERN

- Worked on the creation of a packet generation tool for the Data Link Layer of 5G network

Bangalore, India

Mar. 2017 - Jul. 2017

Vasudhaika Software Private Limited

SOFTWARE ENGINEER INTERN

- Worked on a classifier that picks websites of relevance using an ensemble of classifiers like SVM. Achieved 87% accuracy
- Helped in providing an alternative to manual segregation of websites, thus reducing the workload of an entire department

Hyderabad, India

May. 2016 - Jul. 2016

Projects

DevFest Seoul by Google Developer Group Korea

PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>

- Introduced the history of web technology and the JAM stack which is for the modern web application development.
- Introduced how to freely host the web application with high performance utilizing global CDN services.

Seoul, S.Korea

Nov. 2017

6th CodeEngn (Reverse Engineering Conference)

PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>

- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

Seoul, S.Korea

Jul. 2012

6th Hacking Camp - S.Korea

PRESENTER FOR <METASPLOIT 101>

- Introduced basic procedure for penetration testing and how to use Metasploit

S.Korea

Sep. 2012

Extracurricular Activity

B10S (B1t On the Security, Underground hacker team)

CORE MEMBER

- Gained expertise in penetration testing areas, especially targeted on web application and software.
- Participated on a lot of hacking competition and won a good award.
- Held several hacking competitions non-profit, just for fun.

S.Korea

Nov. 2011 - PRESENT

WiseGuys (Hacking & Security research group)

MEMBER

- Gained expertise in hardware hacking areas from penetration testing on several devices including wireless router, smartphone, CCTV and set-top box.
- Trained wannabe hacker about hacking technique from basic to advanced and ethics for white hackers by hosting annual Hacking Camp.

S.Korea

Jun. 2012 - PRESENT

PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

Pohang, S.Korea

Jun. 2010 - Jun. 2017

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

MEMBER

Pohang, S.Korea

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

MEMBER

Pohang, S.Korea

Sep. 2013 - Jun. 2017

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Honors & Awards

INTERNATIONAL

2018	Finalist , DEFCON 26th CTF Hacking Competition World Final	Las Vegas, U.S.A
2017	Finalist , DEFCON 25th CTF Hacking Competition World Final	Las Vegas, U.S.A
2014	Finalist , DEFCON 22nd CTF Hacking Competition World Final	Las Vegas, U.S.A
2013	Finalist , DEFCON 21st CTF Hacking Competition World Final	Las Vegas, U.S.A
2011	Finalist , DEFCON 19th CTF Hacking Competition World Final	Las Vegas, U.S.A
2012	6th Place , SECUINSIDE Hacking Competition World Final	Seoul, S.Korea

DOMESTIC

2015	3rd Place , WITHCON Hacking Competition Final	Seoul, S.Korea
2017	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	Silver Prize , KISA HDCON Hacking Competition Final	Seoul, S.Korea
2013	2nd Award , HUST Hacking Festival	S.Korea
2010	3rd Award , HUST Hacking Festival	S.Korea
2012	3rd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	2nd Award , Holyshield 3rd Hacking Festival	S.Korea
2011	5th Place , PADOCON Hacking Competition Final	Seoul, S.Korea

Skills

DevOps	AWS, Docker, Kubernetes, Rancher, Vagrant, Packer, Terraform, Jenkins, CircleCI
Back-end	Koa, Express, Django, REST API
Front-end	Hugo, Redux, React, HTML5, LESS, SASS
Programming	Node.js, Python, JAVA, OCaml, LaTeX
Languages	Korean, English, Japanese