Suyash **Kumar**

SOFTWARE ENGINEER

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Education

BITS Pilani(Birla Institute of Technology and Science)   *Pilani, India*
B.E.(HONS) IN COMPUTER SCIENCE AND ENGINEERING   *Aug. 2014 - Aug. 2018*
- CGPA : 8.39

Experience

Samsung R&D Institute   *Bangalore, India*
SOFTWARE ENGINEER   *Sep. 2018 - PRESENT*
- 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.

Zynga   *Bangalore, India*
SOFTWARE ENGINEER INTERN   *Jan. 2018 - Jun. 2018*
- 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

Samsung R&D Institute   *Bangalore, India*
SOFTWARE ENGINEER INTERN   *Mar. 2017 - Jul. 2017*
- Worked on the creation of a packet generation tool for the Data Link Layer of 5G network

Vasudhaika Software Private Limited   *Hyderabad, India*
SOFTWARE ENGINEER INTERN   *May. 2016 - Jul. 2016*
- 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

Projects

DevFest Seoul by Google Developer Group Korea   *Seoul, S.Korea*
PRESENTER FOR <HOSTING WEB APPLICATION FOR FREE UTILIZING GITHUB, NETLIFY AND CLOUDFLARE>   *Nov. 2017*
- 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.

6th CodeEngn (Reverse Engineering Conference)   *Seoul, S.Korea*
PRESENTER FOR <DEFCON 20TH : THE WAY TO GO TO LAS VEGAS>   *Jul. 2012*
- Introduced CTF(Capture the Flag) hacking competition and advanced techniques and strategy for CTF

6th Hacking Camp - S.Korea   *S.Korea*
PRESENTER FOR <METASPLOIT 101>   *Sep. 2012*
- Introduced basic procedure for penetration testing and how to use Metasploit

Extracurricular Activity

Toastmasters International   *Bangalore, India*
MEMBER   *Feb. 2018 - PRESENT*
- Currently on Level 2 on the "Presentation Mastery" path under pathways.
- Have performed speeches at multiple branches including Bangalore, Delhi and Seoul.

Department of Publications and Correspondence   *Pilani, India*
CORE MEMBER   *Jan. 2015 - Dec. 2017*
- Department of PCr works towards bringing participation and increasing footfall for the college fests at BITS Pilani from colleges all over India.
- Mentored a two tier team of 25 students to publicize events and communicate with 500+ colleges and 4000+ students.

Software Competency Exam, Samsung R&D Institute   *Bangalore, India*

<small>TUTOR</small>   *Oct. 2018 - PRESENT*

- Helped prepare engineers for the internal software competency test that tests for data structures, algorithms and problem solving capability.
- Cleared the exam myself in the first attempt. Currently only 15% of the engineers in the company have been able to pass the exam.

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