Abhishek Shree

Sophomore Undergraduate · Economics

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Education

Indian Institute of Technology Kanpur   *Kanpur, India*
B.S. in Economics - 9.2/10   *Nov. 2020 - Present*

Loyola High School   *Patna, Bihar*
CLASS XII CBSE BOARD - 95.2%   *2018 - 2020*

Loyola High School   *Patna, Bihar*
CLASS X CBSE BOARD - 98%   *2008 - 2018*

Technical Skills

Programming	C/C++, Golang, Bash and Shell Scripting, Javascript, Python, Haskell, Java
ML Tools	PyTorch, Keras, Tensorflow, OpenCV, Scikit-learn
Web Development	Django, Flask, Fiber (Go), Jekyll, Hugo, Next.js, React, Redux, Vue.js, HTML5, SASS
Utilities	Docker, Git, Heroku, PostgreSQL, SQLite, MongoDB, Firebase, Insomnia, Selenium, Vim, Emacs (Spacemacs), LaTeX
OS	Manjaro, Ubuntu 20.04 (with i3wm), Windows (WSL)
Robotics	ROS Noetic, Gazebo

Relevant Coursework

Experience

Omnious. Co., Ltd.   *Seoul, S.Korea*
SOFTWARE ARCHITECT   *Jun. 2017 - May. 2018*

- Provisioned an easily managable hybrid infrastructure(Amazon AWS + On-premise) utilizing IaC(Infrastructure as Code) tools like Ansible, Packer and Terraform.
- Built fully automated CI/CD pipelines on CircleCI for containerized applications using Docker, AWS ECR and Rancher.
- Designed an overall service architecture and pipelines of the Machine Learning based Fashion Tagging API SaaS product with the micro-services architecture.
- Implemented several API microservices in Node.js Koa and in the serverless AWS Lambda functions.
- Deployed a centralized logging environment(ELK, Filebeat, CloudWatch, S3) which gather log data from docker containers and AWS resources.
- Deployed a centralized monitoring environment(Grafana, InfluxDB, CollectD) which gather system metrics as well as docker run-time metrics.

Extracurricular Activity

B10S (B1t 0n the Security, Underground hacker team)   *S.Korea*
CORE MEMBER   *Nov. 2011 - PRESENT*

- 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.

WiseGuys (Hacking & Security research group)   *S.Korea*
MEMBER   *Jun. 2012 - PRESENT*

- 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.

PoApper (Developers' Network of POSTECH)   *Pohang, S.Korea*
CORE MEMBER & PRESIDENT AT 2013   *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)   *Pohang, S.Korea*
MEMBER   *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)   *Pohang, S.Korea*
MEMBER   *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 inisght 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*

Presentation

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

Writing

A Guide for Developers in Start-up   *Facebook Page*
FOUNDER & WRITER   *Jan. 2015 - PRESENT*
- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab   *S.Korea*
UNDERGRADUATE STUDENT REPORTER   *Oct. 2012 - Jul. 2013*
- Drafted reports about IT trends and Security issues on AhnLab Company magazine.