

Contact

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Top Skills

Machine Learning

Python

Data Science

Certifications

Machine Learning

Neural Networks and Deep Learning

Text Retrieval and Search Engines

Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure

Kanav Sabharwal

Ph.D. Research Scholar at National University of Singapore
Singapore

Summary

Eager to dive deep into the field of Artificial Intelligence
Strong at problem solving and grasping new technologies.
Good management and oratory skills

Experience

Singtel

Student Researcher

November 2020 - July 2021 (9 months)

Singapore

-->Contributed to the R&D of a novel defense mechanism to enhance IoT network security using Adversarial Machine Learning. Implemented state-of-the-art device fingerprinting classifiers to evaluate the solution against existing works. The defense guarantees a significant increase in privacy compared to relevant works

--> Submitted research work as primary author to Privacy Enhancing Technologies Symposium (PETS'22)

-->Presented past research work and participated in solution deliberation within research group

6d Technologies

Machine Learning Intern

December 2019 - July 2020 (8 months)

Bengaluru, Karnataka

Worked with R&D department to develop a novel machine learning based SMS Firewall. The Firewall includes three modules:

->Classification of messages as HAM/SPAM

->Classification of messages as A2P/P2P

-> Detection of SIMBOX in network, using network statistics

Hewlett Packard Enterprise

Academic Intern

June 2019 - June 2019 (1 month)

Singapore

Finished amongst top students in the program on 'Big Data Analytics using Artificial Neural Networks'. Led a group of 5 members for group projects as part the curriculum. Received LOR for excellent performance.

Nokia

Summer Intern

May 2019 - June 2019 (2 months)

Gurgaon, India

Investigated various telecom technologies like 4G, 5G, and IoT. Involved in a live project of analyzing network traffic generated by IoT devices

Pepbill

College Ambassador

April 2017 - April 2019 (2 years 1 month)

Vellore Area, India

Bharat Electronics

Summer Intern

May 2018 - June 2018 (2 months)

Ghāziābād Area, India

Proposed a Machine Learning based substitute to the present Radar Surveillance system while studying about the role of IT in defense

Indian Society for Technical Education

Core Committe Member

January 2017 - January 2018 (1 year 1 month)

Vellore Area, India

Organised various events in College technical and cultural tests

Organised Horizon 2018

Handled Public Relations and Sponsorship

Education

National University of Singapore

Doctor of Philosophy - PhD, Computer Science · (January 2022 - 2025)

National University of Singapore

Master's degree, Artificial Intelligence · (August 2020 - December 2021)

Vellore Institute of Technology

Bachelor of Technology - BTech, Information Technology · (2016 - 2020)

National University of Singapore

Summer Academic Programme, Big Data using Artificial Neural
Networks · (2019)

Delhi Public School Rohini

High School Diploma · (2002 - 2016)