

Adarsh Kyadige

Lead Data Scientist



adarshkyadige



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EXPERIENCE

LEAD DATA SCIENTIST SOPHOS INC

June 2022 – Current | Denver/Remote, US

- Owned the ML and GenAI research portfolio for Sophos AI, aligning research priorities with product and engineering roadmaps.
- Led and scaled a team of senior and junior data scientists (5–8 reports); hired, mentored, and set technical direction.
- Drove applied ML-security research resulting in conference talks and peer-reviewed publications.
- Led development of GenAI systems for log analysis and support automation in network and endpoint security products.
- Designed a natural-language interface for playbook authoring (NL → Playbooks DSL) within the Sophos Taegis XDR platform.
- Partnered with AWS and Snowflake teams on large-scale data pipelines and model training infrastructure.

SENIOR DATA SCIENTIST SOPHOS INC

Feb 2018 – June 2022 | Denver/Remote, US

- Principal investigator for applied ML-security research, including malware detection and Living-Off-The-Land attack identification.
- Built and evaluated ML models on large-scale security telemetry datasets.
- Collaborated cross-functionally with engineers, analysts, and designers to deliver production-ready insights and demos.

SOFTWARE ENGINEER GOLDMAN SACHS

July 2014 – March 2016 | Bangalore, India

- Built and optimized trading systems, reducing trade booking latency by 40%

PUBLICATIONS AND TALKS

PHISHING AND SOCIAL ENGINEERING IN THE AGE OF LLMs

Large Language Models in Cybersecurity: Threats, Exposure and Mitigation | Springer Nature
Switzerland | [Chapter](#) | [Presentation](#)

LEARNING FROM CONTEXT: A MULTI-VIEW DEEP LEARNING ARCHITECTURE FOR MALWARE DETECTION
IEEE S&P DLS 2020 | [Paper](#) | [Presentation](#)

WEEDING OUT LIVING-OFF-THE-LAND ATTACKS AT SCALE
BSides Las Vegas 2022 | [Presentation](#)

PLAYING DEFENSE: BENCHMARKING CYBERSECURITY CAPABILITIES OF LARGE LANGUAGE MODELS
CAMLIS 2023 | [Slides](#) | [Presentation](#)

LLM BACKDOOR ACTIVATIONS STICK TOGETHER
CAMLIS 2024 | [Presentation](#)

LLM SALTING: FROM RAINBOW TABLES TO JAILBREAKS
CAMLIS 2025 | [Presentation](#)

SKILLS

MACHINE LEARNING / AI

- Large Scale Detection •
- GenAI SOC tooling • LLM Evaluation

PROGRAMMING

- Golang • Python

DATA PIPELINES / INFRA

- AWS • Snowflake

TOOLS AND FRAMEWORKS

- PyTorch • Huggingface •
- Deepspeed / DJL • Scikit-learn
- XGBoost • Numpy / Pandas

EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

MS IN COMPUTER SCIENCE
Sep 2016 - Dec 2017 | San Diego, CA
GPA: 3.88 / 4.0

NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA

B.TECH IN INFORMATION TECHNOLOGY
Jul 2010 - Mar 2014 | Mangalore, India
GPA: 8.85 / 10.0

COURSEWORK

GRADUATE

- Artificial Intelligence
- Deep Learning and Neural Networks
- Recommender Systems
- Machine Learning for Graphs
- Advanced Algorithms