Dominant Topic	Topic Name	Topic Keywords
Topic 1	Software attack	attack, attacker, channel, defense, target, exploit, cache, victim, adversary, sensor
Topic 2	Hardware and operating system	memory, hardware, software, performance, kernel, protection, architecture, protect, integrity, overhead
Topic 3	User authentication	user, password, research, authentication, participant, human, suggest, experience, online, game
Topic 4	Malware detection	model, malware, detection, detect, feature, behavior, algorithm, malicious, accuracy, image
Topic 5	Program code	code, program, flow, binary, language, type, source, application, check, execution
Topic 6	Server and cloud security	scheme, server, client, encryption, message, file, storage, cloud, performance, secure
Topic 7	Browser and mobile application	application, user, browser, android, apps, mobile, popular, platform, developer, extension
Topic 8	Software exploits and vulnerabilities	vulnerability, test, software, input, exploit, generate, case, real_world, discover, patch
Topic 9	Internet protocols	protocol, cryptographic, property, model, proof, signature, prove, standard, assumption, authentication
Topic 10	Malicious websites	domain, malicious, threat, graph, event, site, content, activity, detect, website
Topic 11	Online anonymity	network, traffic, internet, packet, node, block, connection, anonymity, infrastructure, path
Topic 12	Fast secure internet traffic	protocol, secure, computation, party, algorithm, efficient, compute, practical, setting, cost
Topic 13	Privacy and personal information	data, information, privacy, user, query, sensitive, location, search, share, leak
Topic 14	Access management of portable devices	device, access, policy, framework, challenge, resource, requirement, management, trust, goal