

# Kevin Pulikkottil

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## SUMMARY

Computer Science student with expertise in software development, systems design, network security, and cloud infrastructure. Seeking entry-level Software Engineer or Cybersecurity Engineer position to apply technical knowledge and contribute to meaningful projects.

## EDUCATION

<b>The University of Texas at Dallas</b> , Richardson, TX	Expected May 2026
Bachelor of Science, Computer Science	
<ul style="list-style-type: none"><li>Coursework: Database Systems, Computer Networks, Networking Laboratory, Operating Systems, Data Structures &amp; Algorithm Analysis, Software Engineering, Digital Logic &amp; Computer Design</li></ul>	

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, SQL

**Software Engineering:** Object-Oriented Design, Data Structures, Algorithms, Software Design Patterns, UNIX Systems Programming, Database Design and Normalization

**Security & Cloud:** Network Security, Firewalls, Cloud Security, AWS Security Best Practices, Network Protocols (ISO Model, TCP/IP), Access Control, Data Integrity

## ACADEMIC & PERSONAL PROJECTS

<b>Secure Home Lab on Raspberry Pi</b> , Personal	December 2025 – Present
Tools Used: Raspberry Pi, Linux, Tailscale, Pi-hole, DNS Configuration, Firewall Management	
<ul style="list-style-type: none"><li>Deployed a tailnet using Tailscale to remotely access a Raspberry Pi-hosted Pi-hole DNS sinkhole and media server on a home network</li><li>Configured DNS settings, firewall rules, and access control policies to reduce 99% of ad traffic and improve network security posture</li><li>Monitored network queries and access logs to validate blocking of unwanted domains and unauthorized access attempts</li></ul>	
<b>Breast Cancer Detection Model</b> , Algoverse Ai Research	February 2024 – May 2024
Tools Used: Python, scikit-learn, pandas, NumPy	
<ul style="list-style-type: none"><li>Built and tuned a classification model on the Breast Cancer Wisconsin dataset to predict diagnosis labels with 92% accuracy using scikit-learn</li></ul>	

## ORGANIZATIONS

<b>Computer Security Group</b> , Member	August 2025 – Present
<ul style="list-style-type: none"><li>Participated in weekly capture-the-flag (CTF) challenges, practicing exploitation techniques in reverse engineering, cryptography, and web security</li></ul>	
<b>Cyber Defense and Response Unit</b> , Member	August 2025 – Present
<ul style="list-style-type: none"><li>Solved beginner and intermediate CTF problems in cryptography, OSINT, and binary analysis to reinforce security fundamentals</li><li>Engaged in hands-on defensive security exercises and team-based security competitions</li></ul>	
<b>Artificial Intelligence Society</b> , Member	August 2025 – Present
<b>Association for Computing Machinery</b> , Member	August 2025 – Present

## CERTIFICATIONS & AWARDS

<b>Eagle Scout</b> , Scouting America	January 2021
<b>AWS Certified Solutions Architect - Foundations of Cybersecurity</b> , Google	September 2025
<b>SQL Essential Training</b> , LinkedInLearning	May 2023
CompTIA Security+, CompTIA	In Progress