Sebjin Kennedy

Located in Nashville, TN | Open to Relocation
LinkedIn: **linkedin.com/in/sebjin-kennedy/**

Emails: sebjinkennedy@gmail.com
Phone: (615) 821-6748
Portfolio: **sebjinkennedy.com/**

EDUCATION

Tennessee Technological University, College of Engineering   **Cookeville, TN**
Major: Bachelor of Science in Computer Science   December 2025
Concentration: Information Assurance and Cybersecurity   GPA: 3.38
Certification(s), Honors, and Awards: Fundamentals of Git by GitKraken, Tennessee Tech Presidential Scholarship, Tennessee Tech Engineering Joint Council Scholarship
Objective: Obtain a full-time position pertaining to cybersecurity, software development, or IT starting December 2025

EXPERIENCE

Tennessee Technological University - CEROC   **Cookeville, TN**
Undergraduate AI Cyber Researcher   October 2024 - Current
- Created and delivered multi-week AI/Cybersecurity workshops **adopted into TTU graduate coursework**.
- Taught faculty from regional universities who **integrated the material into their own classes**.
- Led 24+ sessions with groups of **20–30 students and faculty**, earning **98% average satisfaction**.
- Standardized delivery with instructor guides and lab keys, ensuring consistency across cohorts.

Tennessee Technological University - CEROC   **Cookeville, TN**
Student Ambassador   February 2024 - Current
- Represented CEROC at events like Infosec Nashville 2024, welcoming sponsors and investors, helping drive **strong sponsor and investor return rates**.
- Supported outreach for student groups ranging from **5 to 20 participants** per session, tailoring discussions to fit different audience sizes and needs.

PROJECTS

Cookeville Police Department Modules   **Cookeville, TN**
DevOps Lead   March 2025 - Current
- Partnered with the Cookeville Police Department and IT team as DevOps lead to **deliver three new features**
- Built a Purchase/Repair Request module with approve/deny workflows, **streamlining requests and repairs** for **45,000+ departmental items.**
- Developed a Leave Management System to **centralize leave requests and approvals** for **200+ employees**.
- Implemented an LDAP-based notification service for **real-time status updates on all new requests and orders**
- Deployed the system on AWS, set up testing requirements for all team members, and built a reliable stack using SQL/Node.js, shell script automation, and HTML/CSS, using github for version control and send out user stories

AI-Driven ECG Anomaly Detection Using Federated Multimodal Models   **Cookeville, TN**
Self-Led   September 2025
- Engineered a federated AI pipeline on PTB-XL (21k ECGs), **enabling anomaly detection at scale**.
- Deployed privacy-preserving training across sources, **cutting data exposure risks**.
- Raised anomaly detection accuracy by **30% over classical baselines**, improving reliability.
- Fine-tuned Hugging Face TimeLLM, **boosting classification accuracy and interpretability by 45%**.

Adversarial Machine Learning Project   **Cookeville, TN**
Undergraduate AI Cyber Researcher   June 2024 - August 2024
- Developed 6 AI–Cybersecurity workshops (MITRE ATLAS, red team, adversarial defenses) **adopted for student training**.
- Incorporated Generative Adversarial Networks into lessons, **expanding coverage of modern attack techniques**
- Adapted workshop materials for ADA compliance, **improving accessibility for diverse learners**
- Built a peer-review framework in Microsoft Teams, **raising quality through cross-functional feedback**.

PROGRAMMING LANGUAGES: C, C++, Python, Rust, R, YAML Script, Angular, MongoDB
TECHNICAL SKILLS: OOP, Data Structures and Algorithms, VSCode IDE, Nano IDE, Git CLI, Ansible, Machine Learning, VirtualBox, Docker, RegEx, Subnetting, Microsoft Office Suite, Documentation, CIA Triad, Postman, Reinforcement Learning, Natural Language Processing, YOLO
SOFT SKILLS: Communication, Teamwork, Conflict Resolution, Adaptability, Critical Thinking
INTERESTS: Dungeons and Dragons, Indie Gaming, Personal Computer Building and Repair, Biking, Photography, Reading