

KHALID KHALEL

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Education

Middle Tennessee State University

Dec 2023 – Present

Bachelor of Science in Computer Science, Cybersecurity Systems

Murfreesboro, Tennessee

- GPA: 3.50/4.00
- Selected Coursework: Discrete Structures, Algorithms and Data Structures, Introduction to Computer Systems, Data Communication and Networks, Network Security, Web Technologies, Database Management Systems, Software Engineering, Ethics and Computing Technology

Motlow State Community College

Aug 2021 – Dec 2023

Associate of Science in Computer Science

Smyrna, Tennessee

- GPA: 3.60/4.00
- Selected Coursework: Computer Science I & II, Assembly and Computer Organization

Projects

Authentication API

Jun 2024 – Aug 2024

Node.js, Express.js, TypeScript, MongoDB

- Engineered a secure user authentication API using Node.js, TypeScript, and Express.js, implementing token-based authentication with JWT for access and rotating refresh tokens to mitigate replay attacks and enhance session security.
- Developed end-to-end password management workflows with bcrypt hashing and secure email-based verification and recovery mechanisms, ensuring robust protection against credential theft and brute force attacks.
- Hardened API endpoints against OWASP Top 10 vulnerabilities such as XSS, CSRF, and injection attacks, leveraging Zod for strict data validation, HTTPS for encrypted communication, and middleware for role-based access control (RBAC).

Organizations

MTSU Association for Computing Machinery | *Secretary Murfreesboro, Tennessee*

Aug 2023 – Current

- Organized and facilitated an exclusive research seminar series, connecting **50+** Computer Science students with MTSU professors, showcasing cutting-edge research, and opening doors to **10+** research assistant positions, directly enhancing members' academic and professional growth.
- Led the development and implementation of a mentorship program within the ACM, pairing junior students with senior members to provide guidance on academic and career paths, resulting in a **40%** increase in student engagement and successful internship placements.

Technical Skills

- **Languages:** HTML, CSS, C++, C, JavaScript, Python
- **Technical Proficiency:** Microsoft Office 365 (Word, Excel, PowerPoint), Web Development, Email Management, Social Media Management
- **Developer Tools:** Git, VS Code, Visual Studio

Certifications

Cybersecurity Careers and Certifications — LinkedIn Learning, Issued: Jan 2025