Imran Khan

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EDUCATION

University of Illinois at Chicago — GPA: 3.91/4.0
Bachelor of Science in Computer Science — *Dec 2024*

Georgia Institute of Technology
Master of Science in Cybersecurity — *Expected: May 2027*

Google Certified Cloud Digital Leader — August 2023
AWS Certified Cloud Practitioner — January 2024
Google Cybersecurity Professional Certificate — February 2024
Security + — February 2025

EXPERIENCE

Associate Cybersecurity Vulnerability Specialist — January 2025 – Present
Blue Cross and Blue Shield of Illinois / HCSC — *Chicago, IL*

- Conducted over 150 Threat and Vulnerability Management (TVM) assessments across systems, APIs, databases, and cloud environments, identifying and mitigating security risks with a 95% resolution rate.
- Automated vulnerability scanning and remediation using Python, reducing manual effort by 40% and improving incident response times by 30%, leading to a 25% decrease in security breaches.
- Integrated security controls into CI/CD pipelines and enforced cloud security policies, increasing compliance with industry standards by 20% and reducing deployment vulnerabilities by 35%.

Software Engineer — February 2024 – January 2025
Boosted Biz — *Chicago, IL*

- Designed and deployed advanced machine learning models for predictive analytics and customer behavior insights, leveraging Python and TensorFlow to drive data-driven business strategies.
- Engineered a high-performance AI chatbot using NLP techniques in Python and JavaScript, boosting customer engagement by 25% and enhancing user satisfaction.
- Architected scalable data pipelines for real-time data processing and cloud service integration, optimizing data flow and supporting complex machine learning applications.

Associate Cybersecurity Vulnerability Intern — May 2024 – January 2025
Blue Cross and Blue Shield of Illinois / HCSC — *Chicago, IL*

- Conducted vulnerability assessments using DAST, SAST, MAST, and SCA tools, mitigating over 50 security gaps and reducing security incidents by 20%.
- Automated security tasks with CVE research, documentation, and scripting, cutting response times by 30%.
- Developed comprehensive reports on vulnerabilities in databases, containers, APIs, and endpoints, improving security policy adherence by 15%.

Teaching Assistant — January 2023 – December 2024
UIC Computer Science — *Chicago, IL*

- Developing lesson plans to teach MATLAB, C++, and Python programming languages to 50+ students, enhancing their technical skills.
- Conducting personalized office hours, addressing student challenges, and fostering problem-solving abilities.
- Facilitating group discussions and providing actionable feedback on coding projects, improving students' technical leadership and teamwork skills.

Cybersecurity Intern — February 2024 – June 2024
Millennium IT Solutions — *Chicago, IL*

- Contributed to cybersecurity projects with AWS and Azure, reducing security breaches by 25%.
- Managed and supported IAM systems, ensuring secure and efficient access to network resources.
- Automated support processes with Python and PowerShell, improving operational efficiency by 40%.

Software Engineer Intern — September 2023 – February 2024
Boosted Biz — *Chicago, IL*

- Contributed to backend development using Python, JavaScript, and SQL for hosting, database management, and API integrations, ensuring smooth service delivery.
- Developed an AI-powered chatbot using JavaScript, CSS, Angular, and Python, resulting in a 25% increase in customer engagement.
- Proposed data-driven strategies for business growth, contributing to a 10% improvement in operational efficiency.

Software Engineer Intern February 2024 – May 2024

Maxil Technology *Chicago, IL*

- Led full-stack development on enterprise-level projects using Java, AngularJS, and Postgres, improving system efficiency and performance.
- Enhanced system performance by designing microservices with Java Spring Boot, optimizing data handling, and streamlining Agile workflows with Jira.
- Automated CI/CD pipelines using Maven and Git in a GCP environment, increasing deployment frequency and improving code quality.

Software Engineer Intern June 2023 – August 2023

66Degrees *Chicago, IL*

- Developed and optimized Google Cloud Service APIs, increasing operational efficiency and accelerating project timelines.
- Designed API service call patterns for front-end integration, enhancing cloud performance with Java and Python.
- Contributed to Agile development, enhancing internal release pipelines and improving deployment efficiency by 15%.

Software Development Educator June 2022 – August 2022

University of Illinois Chicago *Chicago, IL*

- Revamped programming curriculum, boosting student engagement and increasing assessment pass rates by 25%.
- Analyzed student feedback to enhance course content, aligning with industry software standards using SQL and Python.
- Guided hands-on projects, leading to an 80% completion rate and motivating 50% of students to pursue advanced programming studies.

TECHNICAL SKILLS

Languages: C, C++, Python, Java, SQL, JavaScript, Go, R, MATLAB, Haskell, Bash
Frameworks: Node.js, React.js, Flask, TensorFlow, Docker, Kubernetes, Maven, jQuery, Rest API, Google Test, Valgrind, GDB
Tools: Git, GitHub, GCP, AWS, Microsoft Azure, Linux, Vim, Eclipse, VS Code, R Studio, GCC, SDLC, Jira
Embedded Systems: Raspberry Pi, Arduino, Embedded C, Networking protocols (TCP/IP)
Libraries: NumPy, pandas, Matplotlib, Arduino Scripting, TensorFlow, OpenCV