Anirudh Gopalan

US Citizen | anirudh.gopalan@gmail.com | (978)-995-9272 | LinkedIn: AnirudhGopalan | GitHub: anigopalan

EDUCATION

Northeastern University   **Boston, Massachusetts**
B.S. in Cybersecurity and Business, Concentration: Fintech   *Expected Graduation, May 2026*
- **o** **Related Coursework:** Discrete Structures, Fundamentals of Computer Science 1 & 2, Data Structures and Algorithms, Object-Oriented Design, Computer Systems, Foundations of Cybersecurity

EXPERIENCE

Webacy (https://www.webacy.com/)   **Remote Work**
Web3 Data Security Intern   *Oct 2024*
- Conducting **security audits**: Perform thorough audits of smart contracts, finding potential exploits and vulnerabilities that could be targeted by malicious actors.
- Mastering vulnerability analysis: Find and categorize vulnerabilities that are common in blockchain, such as reentrancy attacks, integer overflows, and flash loan exploits.
- Creating risk mitigation strategies: Building defense mechanisms to protect against known threats, ensuring that blockchain systems remain secure and resilient

Beats By Dre (https://www.beatsbydre.com/)   **Remote Work**
Data Analytics Intern   *Jul 2024 – Sept 2024*
- Led a comprehensive sentiment analysis project focused on consumer reviews of Beats by Dre products, utilizing Google CoLab advanced **Natural Language Processing** (NLP) and extracted actionable insights.
- Sourced and processed large datasets from Amazon Reviews using Oxylab web scraping tool and custom APIs, resulting in the collection of 1000 reviews for Beats by Dre and key competitors (JBL, Sony, Bose, Sennheiser).
- Conducted **Exploratory Data Analysis** (EDA) to summarize key statistics using Pandas and NumPy and visualized trends providing a foundational understanding of consumer sentiment distribution.

National Research Group (https://www.nrgmr.com/)   **Remote Work**
AI Risk Intern   *Jul 2024 – Sept 2024*
- Conducted research and analyzed, identified and classified organizational prevalent AI risks.
- Formulated in-depth case study demonstrating the potential business repercussions of specific AI risks.
- Delivered strategic insights and actionable recommendations to clients for addressing and mitigating AI-related risks

NEU Blockchain Club   **Boston, Massachusetts**
Blockchain Security Researcher   *Jan 2024– Jul 2024*
- Conducted comprehensive research and analysis to identify vulnerabilities and improve security mechanisms.
- Analyzed cryptographic algorithms like **SHA-256**, **ECDSA**, and **Merkle Trees** to ensure secure transaction validation and data integrity within blockchain networks.
- Published report and delivered recommendations on blockchain security policies, focusing on risk mitigation and prevention of attacks on Medium.com.

Red Sky Research   **Remote Work**
Software Development Engineering Intern   *Apr 2023 – Jun 2023*
- Developed a comprehensive food traceability program using Python and blockchain technology.
- Integrated APIs and blockchain to ensure accurate, **transparent**, and **immutable** tracking of food sources and components.

PROJECTS

NBA Game Forecast   **Boston, Massachusetts**
Software Developer   *Jan 2024 – Jul 2024*
- Developed a NBA team win predictor in Python using Eclipse to accurately forecast game outcomes
- Implemented web scraping to gather NBA data on player stats, team metrics, and game results, using pandas and scikit-learn for **data manipulation** and **machine learning**.
- Engineered critical features and constructed a robust prediction algorithm using a gradient boosting regressor, achieving a notable accuracy score of **76**%.

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, React.js, Drracket, C++, C, Swift (iOS), Assembly
Tools: XCode, IntelliJ, Eclipse, Github, Jupyter, VS code, Wireshark, Linux, React, Node.js, Excel, Word
Certifications: IBM Beginner's guide to Cybersecurity, CompTIA Security+ (in progress).