

Abir Rahi

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Experience

Associate Manager, CodeSpeak Labs - Hybrid

February 2024 – Current

- Served as a primary point of contact for 12+ schools, supporting classroom management, troubleshooting hardware issues, maintaining equipment inventories, and coordinating with administrators to ensure successful program operations.
- Delivered instruction and training for coding and robotics platforms to students and instructors, simplifying complex concepts to students as young as 4 years old.
- Trained and supervised a team of 12–14 staff through onboarding, coaching, and performance reviews, improving technical consistency, troubleshooting capabilities, and service quality across multiple locations.

Media Tech - Operations and Technology Intern, NBCUniversal - Hybrid

June 2023 – Aug 2023

- Improved internal search system performance for finance application by 50% using AWS OpenSearch and Lambda.
- Revamped user interface using Angular and Python, outputting show titles with relevant financial details more comprehensibly.

Software Developer Intern, Quantiphi – Remote

Aug 2022 – Jan 2023

- Utilized Angular framework to develop an agent-side scheduling application for The Missouri State Department of Social Services.
- Created detailed chatbots for clients powered by machine learning using Google's Dialogflow service

Projects

Lens On Security - lensonsecurity.com

- Deployed a static cybersecurity publication platform using AI-assisted programming, **connecting real world images to security concepts** using Astro, Cloudflare DNS, and automated CI/CD through GitHub Actions
- Deployed a private Flask based content management system on a Raspberry Pi, protected through WireGuard VPN.
- Engineered a Git publishing pipeline converting NAS hosted drafts into Markdown with private previews, publishing, unpublishing, and change history.

Raspberry Pi NAS

- Built a secure home NAS using WireGuard VPN, enabling encrypted remote access globally
- Configured Pi-hole DNS filtering to block ads and malicious domains across connected devices.

Digital Contact Card App: SKAM - github.com/abirrahi10/Project-SKAM

- Implemented React Native with 3 developers to create a mobile application where users can share all their contact information in a digital card with other users through search.
- Designed a Firestore database from Google to manage user data, cards and wallets.

Education

City University of New York – Hunter College, BA in Computer Science

- **GPA:** 3.84/4.0
- **Coursework:** Intro to Cyber Risk, Operating Systems, Database Management

Skills

Certifications: CompTIA A+

Languages & Frameworks: Python, SQL, TypeScript, C++, Angular, React Native, Flask

Cloud & Technologies: AWS Lambda, AWS OpenSearch, Firestore, Google Workspace

IT & Security: Windows, ChromeOS, WireGuard VPN, Pi-hole, Network Troubleshooting, DNS Filtering, Hardware Setup & Diagnostics, Account Provisioning, Technical Support, User Training