

# Aalok Dhonju

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## EDUCATION

### Northern Kentucky University

Highland Heights, KY

Bachelor of Science in Computer Information Technology (Expected Graduation May 2026)

August 2022-Present

- Network and System Administration Track | Minor in Health Informatics and Information Security
- Cumulative GPA: 3.925/4.00 | Honors and Awards: US Bank Cyber Security Scholarship, COI President's List 3x, COI Dean's List, Haile COB Dean's List, Haile Enrichment Fund, International Merit Scholarship, EDGE and EDGE+ Scholarship, Fidelity NKU Hackathon Winner (2024)
- Club and activities: NKCYBER, Data Science Club (E-board Member), International Student Union, Campus Recreation, Student Government Association (Senator), CINSAM

## WORK EXPERIENCE

### Chartwells Higher Ed

Highland Heights, KY

Intern

October 2023-Present

- Administered NKU Dine-on-Campus website, responsible for implementing changes to enhance UX
- Develop and analyze marketing data, leveraging analytics to improve digital outreach and engagement
- Manage digital marketing displays using Wand Digital and optimize social media strategies with Sprout Social
- Automated marketing and newsletter emails using Python and VBA macros for Outlook.
- Plan and execute dining events and collaborate with management to facilitate associate award programs.

### Northern Kentucky University

Highland Heights, KY

Student Researcher

May 2024 - December

- Conducted research on Secure Service Provenance in Edge Computing frameworks, guided by Dr. Rasib Khan
- Ensured data integrity and authenticity in decentralized systems using advanced cryptographic methods and blockchain technology
- Developed and connected APIs to databases with MySQL and Python, streamlining data management
- Scripted and configured a local Ethereum blockchain network using Ganache to secure IoT data transmission
- Implemented load-balancing strategies to enhance system performance by resetting blockchain blocks

Teaching Assistant

August 2024 – December 2024

- Teaching Assistant for CIT 247 Networking Fundamentals, working under Professor Ken Roth
- Provide regular office hours, lead lab activities, and conduct review sessions to enhance student class experience
- Support hands-on learning with Cisco Nexus 7000 routers and Cisco 3750 switches in the lab environment
- Utilize GNS3 on Ubuntu VMs to guide students through virtual network simulations and configurations
- Help students master core networking concepts, including data link control, network protocols (IP, TCP, UDP), LAN deployment, wireless networking, routing, security, and Cisco IOS

## SKILLS AND INTERESTS

**Computer Skills:** Python, HTML, CSS, JavaScript, SQL, Cisco IOS, PowerShell, Bash, R, Visual Basic, Microsoft Office, Adobe Suite, UNIX Systems, SPLUNK & Google Chronicle

**Languages:** English, Nepali, Hindi, Nepal Bhasa

**Interests:** Cooking, Drawing, Philosophy, Soccer, Swimming, Hiking

## CERTIFICATIONS

Google Cyber Security Certificate

August 2023

- Demonstrated proficiency in cybersecurity technologies and frameworks, including SIEM tools and intrusion detection systems for effective threat detection and response.
- Showcased skills in programming for cybersecurity, packet analysis, and applying security frameworks to enhance network and cloud security.

McGraw Hill Level II Certificates in Excel, Word, and PowerPoint

December 2022

- Exhibited proficiency in a variety of Microsoft Office Suite skills, including data analysis, document creation, and presentation design