

# Imtiaz Mahmud

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## EDUCATION:

**CUNY Lehman College**

**Expected 2028**

B.S in Earth Science & Minor in Studio Art, Current GPA 3.865

## RESEARCH PROJECT

**CUNY Lehman College**

**2026**

NASA. Grant# 21-IPMSI21-0012. "Surface-based Precipitation Measurement Network in the Bronx: Science and Education Opportunities for Diverse and Minority Students".

Spring semester 2026. Research Assistant: precipitation data analysis for verification of the Global Precipitation Measurement (GPM) satellite data.

Python & Amazon AWS CLI.

**CUNY Lehman College**

**2026**

Lehman Earth and GIS Department. The harmful affect of Vinyl Music player. The affect of indoor air pollutions during turntable use with mass market vinyl.

Summer 2026. Research Assistant: performing experiment and collecting indoor air quality data (particulate matters).

Python, SONY Camera, Final-Cut Pro,

## Skills

**Technical:** Python (Pandas, Matplotlib), Linux (Debian, Fedora & Arch), Raspberry Pi

**Web:** HTML, CSS, Nginx & Debian Linux Server.

**Creative :** Darkroom (Film and Print), Adobe Lightroom, Affinity Suite, Video Editing (Davinci Resolve & Final Cut Pro)

**Remote Sensing:** QGIS, PySWMM & ArcGIS Suite

## Technical Project

**Tor Relay:** I operate and maintain a non-exit Tor Project Guard and middle relay on a Linux based Raspberry Pi server to support internet privacy and censorship resistance. I also manage system security, firewall configuration, monitoring, and automated updates for long-term reliability.

**Nginx Server:** I built and maintain a personal Nginx web server on a Raspberry Pi to host personal websites and self-hosted services. I manage Linux server configuration, networking, remote SSH access, and basic web infrastructure.

**Pi-Hole:** I run a network-wide Pi-hole DNS filtering server with Unbound for private recursive DNS resolution. I manage local network services, DNS configuration, and Linux-based infrastructure on Raspberry Pi hardware.

## Job

**CUNY Lehman College Lifeguard**

**2024 - 2026**

Lifeguard in Lehman College swimming pool. Ensuring the safety of all swimmer, while enforcing the campus policy. Learned quick emergency response during training and one real life events, AED, CPR and Teamworks.

**CUNY Lehman College Film Archivist**

**2026**

Carefully handling old film and and darkroom print of historical Lehman picture and digitizing them for web upload. categorizing pictures and tagging for easy future access.

Learned to be extremely patient & attention to details.