



2024 Alber Science & Engineering Fellow

**Abdul Muyeed Bhuiya, PhD
candidate in UC Berkeley-
UCSF Joint PhD Program in
Bioengineering, Fletcher lab**



Abdul Muyeed Bhuiya is a PhD candidate in UC Berkeley-UCSF Joint PhD Program in Bioengineering in Prof. Daniel Fletcher's lab. His current research involves developing innovative point-of-care diagnostic assays and devices for infectious diseases, and leveraging CRISPR technology for rapid, multiplexed RNA detection. Abdul received his Bachelor's in Molecular and Cellular Biology with a minor in Chemistry at the University of Illinois at Urbana-Champaign, and received his Master's in Biomedical Engineering at Boston University. During that time, he worked in the labs of Prof. Rashid Bashir and Prof. Ahmad Khalil, developing point-of-care platforms for detecting viruses and bacteria using mobile phone microscopy and interferometric imaging.

As a Thomas C. Alber Fellow, Abdul is field-testing a low-cost mobile microscopy and machine learning platform in Bangladesh for detection