HASSAN UKASHA

New York, NY | (607) 697-5250 | mhu6@cornell.edu | LinkedIn | Portfolio
Authorized to work in the U.S. (No sponsorship required)

EDUCATION

Cornell University   Ithaca, New York
Master of Public Health (MPH) in Infectious Diseases Epidemiology | GPA: 3.9   Expected Graduation: May 2025
- Awarded 33% scholarship for academic potential and leadership.
- Associate - Cornell Graduate Consulting Club, providing strategic market entry insights to a biotech company (pro bono).

Cornell University   Ithaca, New York
Bachelor of Science (B.S.) in Global and Public Health Sciences | GPA: 3.7   May 2024
- Awarded $9K research grant for developing an AI-driven diagnostic tool for Polycystic Ovary Syndrome (PCOS).
- Led a fundraising campaign securing ~$7.5K for earthquake relief in Herat, Afghanistan, (provided a donor report).

Jami University   Herat, Afghanistan
Doctor of Medicine (M.D.)   March 2016 – May 2021
- Program paused in 2021 due to geopolitical changes in Afghanistan; continued advanced studies in the U.S.
- Worked closely with a top WHO Executive Board Member and former Afghan Health Minister to evaluate and assess a potential national health insurance strategy.

PROFESSIONAL EXPERIENCE

Tompkins County Whole Health   Ithaca, New York
Public Health Data Analyst & Grant Strategist   June 2024 – August 2024
- Gathered and analyzed 4 years of county health data (5,500+ records) using R and Excel to identify high-need regions, and authored a $99K grant proposal with detailed budget projections.
- Collaborated with stakeholders and community organizations to finalize the proposal submitted to the NYS Department of Health, aiming to increase rural healthcare access by 15% and serve 2,000+ patients within the first 6 months.
- Received an award certificate after my proposal was 1 of only 7 accepted out of 24 submissions.

Cornell University   Ithaca, New York
AI Healthcare Data Analyst (Intern)   June 2023 – September 2023
- Cleaned and organized healthcare and clinical data from 110 patients using SANTESOFT and Excel, and validated it for AI model training, reducing data processing and diagnostic time by 33% in phase one, and ~70% in phase two.
- Collaborated with data scientists and clinicians to develop machine learning algorithms, and designed Power BI dashboards with weekly updates in PowerPoint for stakeholders.
- Received an offer to continue as a graduate researcher, leading 2 additional clinical data analytics projects.

Sanai Hospital   Herat, Afghanistan
Healthcare Data Associate   November 2020 – April 2022
- Collected, cleaned, and organized large datasets from Electronic Health Records (EHRs) and billing systems, ensuring accurate reporting of hospital metrics (length of stay, bed occupancy, & patient wait times).
- Conducted cost-efficiency analyses that identified opportunities to reduce hospital supply costs by ~8% and decrease patient wait times by 17%.
- Provided monthly pharmacy billing and drug utilization reports to hospital executives, enabling data-driven decisions on patient care and cost management.

Herat Regional Hospital   Herat, Afghanistan
Resident Physician (Medical Internship)   October 2017 – October 2019
- Delivered direct patient care to 650+ oncology, cardiology, and internal medicine patients while contributing to four clinical trials (breast & pulmonary cancer).
- Collected and analyzed data on drug efficacy, patient responses, and adverse drug reactions, including cost-effectiveness analyses comparing branded and generic medications.
- Monitored medication errors and aligned prescribing practices with WHO and FDA standards, improving patient safety metrics by 20% over two years.

ADDITIONAL INFORMATION

- **Skills:** SANTESOFT, Tableau, & Excel, Python, Stata & R (used in research publications), Biostatistics.
- Good Clinical Practice (GCP) and IRB Submissions. FDA Regulations (21 CFR Part 11), HIPAA Compliance.
- **Interests:** Cricket player, Spinner bowler for Cornell University Cricket Team. Avid traveler (visited 18 U.S. states in 3 years).
- **Languages:** English *(Fluent)*, Pashto *(Native)*, Persian *(Native/Bilingual)*, Hindi *(Fluent)*, Arabic *(Intermediate)*

JOURNAL PUBLICATIONS

- **Gardiwal, H., Saeedzai, A., Feroz, F., Knight, J., Ukasha, M.H., Durrani, N.A., & Sayedzai, S.** (2024). *Determinants of Institutional Delivery in Afghanistan: A Secondary Analysis of MICS 2022 and 2023 Data*.
- **Lin, Y.L., Ivanek, R., Bulut, E., Ukasha, M.H., Li, Y., & Safi A.G.** *An Analysis of How Phrasing Impacts Public Perception on AMR in the U.S.* Target Journal: Nature Communication