Hussam Habib

(319) 930-9438 • hussam-habib@uiowa.edu

EDUCATION

The University of Iowa, Iowa City, IA   2019 - Anticipated 2024
PhD. Computer Science

National University of Computer and Emerging Sciences, Lahore, Pakistan   2014 - 2018
BSc, Computer Science

RESEARCH

• **To Act or React** — **Investigating Proactive Strategies For Online Community Moderation**.
We observe and model online community evolution/devolution on Reddit, impact of community
participation on user behavior and effectiveness of community moderation.

• **Radicalization and Interventions** — Tracking online vulnerable users for radicalization and monitoring the
triggering events. Exploring the events to suggest mitigation and intervention techniques.

• **Narrative Flow** — **Narrative Provenance Tool**
Isolating narratives and frames in news media and online forums and tracking the flow of information from
underground forums to mainstream media.

• **Provenance Malware Detection** — Detecting malicious activity using provenance graphs. We summarize
provenance graphs created using SPADE and use template matching for malware detection

WORK EXPERIENCE

OMNO AI, Lahore, Pakistan   2018 - Present
Co-founder, CTO

• **Adlytic** — Computer vision to detect foot traffic demographic and attributes to provide relevant OOH
advertisements
and impression analytics.

• **Football Analytica** — Real time soccer analytics and stats generation from live camera stream using computer vision
techniques.

• **Trafflytic** — Tracking traffic using low quality cameras and generating real time analytics including counts,
congestion, and traffic speeds.

SPARTA Lab at UIowa , Iowa City, IA   2019 - Present
Researcher

TPI Lab at LUMS, Lahore, Pakistan   2018 - 2019
Researcher

INTERESTS

• Machine Learning   • Data Science
• Algorithmic Bias   • Privacy
• Computer Vision   • Natural Language Processing