

## NSF REU 2024

### Final Presentation Agenda

Monday, August 5<sup>th</sup> 2024

1. **10:45 am** – Introduction (Presentations by REU students in ITE 459)
2. **10:45 – 11:00 am** – **Presentation 1:** Utilizing Animal Audiograms for the Development of Safe and Shared Ecosystems, **Presenter:** Anuraag Karunakaran, **Mentor:** Bipen Basnyat
3. **11:00 – 11:15 am** – **Presentation 2:** Feature Extraction Analysis And Baseline Modeling Of Cognitive Load Using EEG, GSR, And PPG Data, **Presenter:** Cahree Myrick, **Mentor:** Indrajeet Ghosh
4. **11:15 – 11:30 am** – **Presentation 3:** Development of A Mounting System For FMCW Radar On UGVs And Drones For Detecting Obscured Objects Within The Ground Using mmWaveRadar Signals, **Presenter:** Eric Meza, **Mentor:** Anuradha Ravi
5. **11:30 – 11:45 am** - **Presentation 4:** Contactless Heart Rate Monitoring: Utilizing Federated Learning for Enhanced Privacy, **Presenter:** Sukriti Roy, **Mentor:** Emon Dey, Zahid Hasan
6. **12:00 – 1:00 pm** – Lunch at True Grit's