

# SABID BIN HABIB PIAS

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## EDUCATION

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**Indiana University Bloomington**

*August 2019-May 2024*

*Ph.D. in Computer Science*

· **Research Interest:** Usable Security, Privacy Enhancing Technologies, User-centric Privacy Design

**Bangladesh University of Engineering and Technology**

*Graduated March 2016*

*Bachelor of Science in Computer Science & Engineering*

## RESEARCH EXPERIENCE

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**Indiana University Privacy Lab**

*August 2019 - Present*

*Graduate Research Assistant*

- **Bitrotting Photos for Enhanced Privacy:** We proposed two temporal redaction methods for enhancing privacy in photo sharing and found 17-21% participants prefer the proposed methods for ‘non-sensitive’ photos ([PDF](#))
- **Persuasiveness of Smart Voice Assistants in Online Shopping:** We evaluate how user trust varies in online shopping if smart voice assistants (SVA) communicate in a varying tone of voice
- **Towards an Apprehensible Explainable AI for Non-expert Users:** Evaluate user trust and agreement with an Explainable IA (Intelligent Agent). The IA interpreted its image classification with varying text and audio explanations

## INDUSTRY EXPERIENCE

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**Field Buzz (Dhaka, Bangladesh)**

*January 2017 - May 2019*

*Software Engineer*

- Led and managed the *Point of sales management* mobile system design team (Android, Git) (**Playstore**)
- Built base data integrity library with an offline data sync mechanism (Java, Android, SQLite, REST)
- Developed survey builder library to dynamically load survey questions of varying structures on mobile devices (Java, Android, Maven, Room) (**Playstore**)

## ACADEMIC PROJECTS

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- **Animal Detection from Images:** Designed CNN based architectures and used transfer learning with EfficientDet-D7 for detecting animals from an image subset of ‘Open Image Dataset V6’ (**Notebook**)
- **Music Genre Classification from Waveform Audio:** Designed and compared CNN, RNN and Transfer Learning based architectures for music genre classification on ‘GTZAN’ dataset (**Notebook**)
- **Acoustic Event Detection:** Explored varying fine-tuning based Transfer Learning schemes for Acoustic event classification from ‘Google Audioset’ embeddings (**Notebook**)

## PUBLICATIONS

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- **Sabid Bin Habib Pias**, Imtiaz Ahmad, Taslima Akter, Adam J. Lee, and Apu Kapadia. Decaying Photos for Enhanced Privacy: User Perceptions Towards Temporal Redactions and Trusted Platforms. In *ACM Conference On Computer-Supported Cooperative Work, CSCW 2022*

## TECHNICAL SKILLS

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**Languages and Frameworks** Python, R, Java, PyTorch, Keras, TensorFlow, Scikit learn, SciPy

**Other** Git, Shell, Latex, Qualtrics, PostgreSQL, Oracle, SQLite, REST, Maven