

## **ADITI SINHA**

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*Seeking a position as an Assistant Professor in an organization that will enhance my horizon of knowledge and gives me the chance to prove myself by working innovatively for the enhancement and betterment of organization by guiding and mentoring students in the field of Forensic Science. I aspire to work for an institution which offers career growth and chances to learn and improve my knowledge and to contribute towards the organizational goal through my skills and past experiences.*

### **EXPERIENCE**

**Assistant Professor, Malla Reddy University, Hyderabad, Telangana, India. Aug'23-Present**

- *Presenting lessons on various fields of Digital Forensics in a comprehensive manner and use visual/audio means to facilitate learning.*
- *Guided 16 students in their graduation major project on various sub-branches of Forensic Science.*
- *Providing research and training to students and staffs on several Digital Forensics software.*
- *Designing of curriculum at under-grad level as a Member of BOS (Board of Studies).*

**Guest Lecturer, Infinivis Global. Jan'22-Present**

- *Presenting online video lectures on various fields of Forensic Science and review discussion threads.*
- *Creating the curriculum and syllabus for smooth operations of the course.*
- *Planning and providing lecture notes to students.*

**Research Assistant, Regional Forensic Science Laboratory, Himachal Pradesh. Apr'22-Apr'23**

- *Assist in criminal case in the cyber laboratory and handled few of them individually with full ownership*
- *Helped the deputy director draft several standard operating procedures for the lab.*
- *Provided trainings and knowledge transfer sessions to police officials and junior interns.*
- *Worked on a number of case studies for journals.*

### **ACADEMIC & PROFESSIONAL CREDENTIALS**

- *Master of Science in Forensic Science, from Bundelkhand State University, Jhansi, U.P, India. 2019-2021, securing 81.7%.*
- *Bachelor of Science in Physics, Chemistry & Forensic Science, Sam Higginbottom University with 7.07 CGPA.*

### **TRAININGS / INTERNSHIP**

- *Successfully completed seven Days vocational Training from Regional Forensic Science*

Laboratory, Himachal Pradesh. Wherein assisted in case works pertaining to various divisions of the laboratory.

- Successfully Completed fifteen Days/month Internship, for Masters's Research work in Physics division from State Forensic Science Laboratory, Delhi, India. (August 2021).
- Successfully completed twenty days Level 1 Training Program organized by Tathya Forensic Wing Federation, Prayagraj, getting exposure to simulated case works in CSI, Cyber Forensic, and Document Examination, Mobile, SIM Card and Memory card data recovery.

### **ACADEMIC PROJECT**

- Successfully completed Masters Project on **Comparative Study on Audio Latency of Different Mobile Brands: A Forensic Approach** during January 2021 - October 2021, in which Comparison of latency period of different mobile phones brands namely, Samsung, Vivo, Redmi and One plus was carried out using Adobe Audition software. The work was completed in The Bundelkhand University and State forensic Science Laboratory, Delhi under the able guidance of Dr. Ankit Srivastava.

### **ACHIVEMENTS**

- Gave a media interview as a Cyber Forensic expert to a Delhi Newspaper "Rashtriya Vishesh" on the topic "Exploring the depth of Cyber Psychology", Sept 11, 24
- Appointed as a judge in an intra-departmental logo-design competition, Feb' 24
- Appointed as a judge in an intra-departmental Smart India Hackathon 2023 on the topic "How to solve any real-world problems", Sept'23

### **CONFERENCES, SEMINAR & WORKSHOPS ATTENDED**

- Certificate for presenting a research paper on "Comparative study on Audio Latency on different mobile brands: A digital Forensic Approach", in an International conference at Kolkata, West Bengal, India. Mar'24
- Certificate for oral paper presentation on "Cyber Crime vis-à-vis challenges and preparedness", in the National CME at Moti Lal Nehru Medical College, Prayagraj, Uttar Pradesh, India. Mar'23.
- Certificate for abstract presentation on "BitLocker encryption-A challenge to Digital Forensic Professionals" at National Conferences in Shimla, Himachal Pradesh University, India. Dec'22.

### **RESEARCH & ANALYTICAL EXPERIENCE**

- Expertise in extraction of data/information from digital devices and its analysis using UFED4PC, XRY, Magnet Axiom and OXYGEN FORENSICS, FTK, Encase, Autopsy.
- Expertise in data forensic investigations for enterprise computer security incidents including but not limited to internal and external intellectual property theft, attacks/intrusions, computer abuse and insider threats investigations.
- Familiarity with forensic artifacts typically found on Windows and Linux operating systems
- Skilled in analyzing findings in investigative matters, and develop fact-based technical reports detailing events over specified periods of time
- Knowledge of existing and emerging legal issues within information security environments (i.e., data privacy).
- Expertise in data forensic investigations for enterprise computer security incidents including but not limited to internal and external intellectual property theft, attacks/intrusions,

computer abuse and insider threats investigations.

- Familiarity with forensic artifacts typically found on Windows and Linux operating systems.

## KEY SKILLS AND CAPABILITIES

### Technical Skills

- **Data Extraction Software**
  - UFED4PC (Universal Forensic Extraction Device)
  - XRY
  - FTK (Forensic Tool Kit)
  - Magnet Axion
  - Encase
  - DVR Examination (Digital Video Recorder)
- **Audio Software**
  - Adobe Audition
  - Gold Wave
  - Audacity
  - Computerized Speech Lab

### Soft Skills

- Profound knowledge in Forensic science with a niche in Cyber Forensic, Forensic Physics & Ballistics.
- Ability to perform critical and technical tasks and be attentive to details
- Proficient in Teaching Ability, Communication & Presentation Skills
- Demonstrated integrity and judgment within a professional environment
- Flexibility to adjust to multiple demands, shifting priorities, ambiguity and rapid change
- Ability to work in time-sensitive and stressful situations with ease and professionalism

## LIST OF PUBLICATION

- Comparative Study on Audio Latency of Different Mobile Brands: A Digital Forensic Approach. Submitted to Springer Edited book (In Review)
- Unravelling Illegal Trade of Wild Fauna Through an Integrated Forensics Approach: A Case Study Submitted to Indian Police Journal (In Review)
- Salivary Microbiomes: A potent evidence in Forensic Investigation, Springer: Forensic Science, Medicine and Pathology

## REFERENCES

- Dr. Meenakshi Mahajan, Director, Deputy Director, Regional Forensic Science Laboratory, Dharamshala. [mini\\_2323@yahoo.com](mailto:mini_2323@yahoo.com), +91-9418437495
- Dr. Vaibhav Saran, Associate Professor, Dept. Of Forensic Science, Amity University, [vaibhav.saran@shiats.edu.in](mailto:vaibhav.saran@shiats.edu.in) +91-9452629228
- Dr. Kriti Nigam, Associate Professor, Raksha Shakti University, Jharkhand, [kritinigam1@gmail.com](mailto:kritinigam1@gmail.com) (+91)-8303793737.