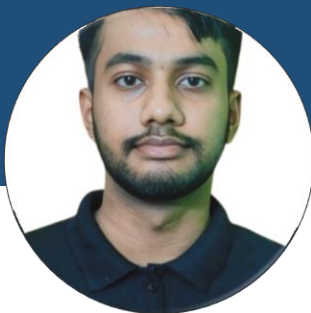




Ankit Debnath

 : 0009-0002-8379-5138
Scopus ID: 59734537300

Assistant Professor- Forensic Science
adevnath@iujaipur.edu.in

PROFILE

Ankit Debnath is a postgraduate forensic science professional specializing in Forensic Chemistry, with academic and practical exposure to forensic toxicology, analytical chemistry, biological evidence, trace evidence, human identification, and cyber forensics. His work reflects an interdisciplinary approach that combines laboratory analysis, instrumental techniques, research methodology, digital investigation, and evidence interpretation. His primary research interests include forensic identification, trace evidence analysis, forensic toxicology, and analytical methods in forensic science.

He is pursuing a Master's degree in Forensic Science with a specialization in Chemistry at Adamas University, West Bengal (2024–2026), after completing his Bachelor's degree in Forensic Science from the same university (2021–2024) with an outstanding CGPA of 9.75. His academic excellence was recognized through the Adamas University Merit Scholarship and a Silver Medal for outstanding academic performance.

He qualified the UGC-NET examination in December 2025, securing the 98.89 percentile and becoming eligible for Assistant Professor and Ph.D. admission. He also qualified the Forensic Aptitude & Calibre Test (FACT) Plus 2026 in Crime Scene Management, conducted by the National Forensic Sciences University under the Ministry of Home Affairs. These achievements reflect his strong academic foundation and commitment to professional development.

Ankit has received practical training in state and regional forensic laboratories, as well as cyber-forensic environments. During his internship at the State Forensic Science Laboratory, Belgachia, West Bengal, he gained experience in forensic toxicology and instrumental analysis. His training included Gas Chromatography–Mass Spectrometry (GC–MS), High-Performance Liquid Chromatography (HPLC), solvent extraction, sample preparation, distillation, chromatographic separation, and classical chemical screening techniques. He also developed skills in forensic exhibit processing, toxicological case evaluation, laboratory documentation, and chain-of-custody maintenance.

At the Regional Forensic Science Laboratory, Rudrapur, Uttarakhand, he received exposure to the examination of narcotic substances and biological evidence, including evidence related to sexual assault investigations. His training involved forensic screening, laboratory analysis, report preparation, and case documentation. He also completed the Forensic Science Development Program. During his internship at the Directorate of Forensic Science

Laboratory, Aizawl, Mizoram, he observed forensic casework demonstrations, including arson investigation and evidence examination, and received training related to the National Automated Fingerprint Identification System (NAFIS).

In addition to conventional forensic science, Ankit has developed competency in cyber forensics and digital investigation. At the Indian School of Ethical Hacking, Kolkata, he worked with digital evidence acquisition and forensic imaging using FTK Imager. He also gained practical experience in filesystem examination, deleted-data recovery, and digital artifact analysis using Autopsy and Magnet AXIOM. His training included cloud forensics, network and packet analysis using Wireshark, RAM acquisition and memory forensics using the Volatility Framework, and cybersecurity investigation using Kali Linux.

His research experience combines forensic science, biological anthropology, statistical analysis, and analytical methodology. His dissertation, *“Estimation of Stature Through Cephalo-Facial Dimensions in West Bengal Population,”* involved an anthropometric study of 200 adults, comprising 100 males and 100 females aged 18–25 years from North 24-Parganas, West Bengal. The study examined nine cephalo-maxillofacial measurements and applied statistical analysis and linear regression modelling to develop stature-estimation formulae. It also investigated sexual dimorphism in craniofacial parameters and identified significant variation in bigonial breadth between male and female participants.

He has also conducted literature-based research through his review paper, *“Scientific Analysis of Trace Evidence in Forensics,”* which examined the analysis of soil, glass, paint, fibres, inks, condoms, and gunshot residue. The review discussed modern instrumental and non-destructive techniques while considering practical issues such as cost, accreditation, casework efficiency, and quality management in forensic laboratories.

Ankit is a co-author of the peer-reviewed book chapter *“Introduction to Saliva and Its Forensic Analysis,”* published by Springer Singapore in *Fundamentals of Forensic Biology* in 2024. The chapter discusses the forensic importance of saliva, analytical methods, its relevance to DNA profiling, and evidentiary challenges in forensic investigations.

He has actively participated in conferences, research presentations, and academic events. His achievements include securing 1st Runner-Up at the ADAMAS Global Summit 2022 Exhibition and 1st position at the National Conference on Forensic Science and Criminology (NCFSC 2025). His technical skills include forensic toxicological analysis, evidence preservation, solvent extraction, sample preparation, and the use of instruments such as GC–MS, UV–Visible spectrophotometers, NanoDrop spectrophotometers, gel electrophoresis systems, microscopes, and comparison microscopes. He is also proficient in FTK Imager, Autopsy, Magnet AXIOM, Wireshark, Volatility Framework, Kali Linux, and Microsoft Office applications.