Sharanya Nath

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PROFILE

A conscientious and self-motivated individual looking to expand new skills and pursue professional development within the fields of Pharmacology, Toxicology and Analytical sciences. Holds a BSc in honours degree in Forensic Science. Possess extensive analytical skills in forensic investigation gained through academic studies and practicals performed during internships in State Forensic Science laboratories. Offering excellent communication and organizational abilities. Known for efficiency and best-in-class time management.

AREAS OF EXPERTISE

- Forensic Biology ◆ Forensic Chemistry ◆ Forensic Serology ◆ Toxicology ◆ DNA Fingerprinting ◆ GC-MS
- Chromatographic techniques ◆ Electrophoresis techniques ◆ Instrumentation ◆ PCR ◆ Research Methodology
- Lean Operations ◆ Data Analysis ◆ Strategic Planning ◆ Communication Skills ◆Report writing ◆Expert witness
- Court room procedures ◆ Chain of custody management ◆ Resource management ◆ Six Sigma ◆Microsoft Excel
- Quality Management Systems(QMS) ◆ Crime Scene Investigation ◆ Risk Management Systems(RMS) ◆PowerPoint
- Minitab

ACADEMIC QUALIFICATIONS

B.Sc. Honors in Forensic Science   Jul 2017- May 2020

Amity University, Uttar Pradesh, India **(8.61 CGPA)**

(Green Belt in Lean Six Sigma certified by British standards instituition(bsi), UK)

Kendriya Vidyalaya 47 Chandigarh,   2013-2016

Class X: *10 CGPA*, Class XII: *85%* **(Biology-95, English- 92)**

KEY STRENGTHS

- Demonstrated experience and in-depth knowledge in handling evidence and analysis of substances and materials.
- Highly proficient in working with GC-MS and various other Instrumentations such as AAS, HPLC, PCR etc.
- Superior interpersonal and communication skills to effectively negotiate terms with third party alliances and present expert reports.

CAREER HISTORY

State Forensic Science Laboratory, Kolkata (Summer Internship)   **May 2019-Jun 2019**
FSL Kolkata is the first Forensic lab established in India.
- Analyzed presence of Tetrahydrocannabinol(THC) and its percentage in the questioned Cannabis sample using GC-MS.
- Achieved successful examination of viscera sample for poisons of vegetable origin, inorganic salts and acids.
- Determination of pesticides in postmortem blood and bone marrow of diseased.
- Gave technical assistance to the investigating officers to recognize appropriate evidence materials at the scene of crime.

State Forensic Science Laboratory, Lucknow (Forensic Internship)   **Dec 2018-Jan 2019**
FSL Lucknow is known for its international collaboration withUnited Nations Development Program.
- Carried out histological examination of tissues of human or animal origin for determination of origin, age, sex, stature.
- Determined sex and blood groups by Barr body examination and enzyme grouping on blood stains.
- Conducted quality assurance on site and lab procedures, internal audits and evidence evaluation.

QUALIFICATIONS AND CERTIFICATIONS

- **Lean Six Sigma Green Belt -**Certifying authority: *bsi (British Standards Institution)*
- **Risk Management Systems -**Certifying authority: *bsi (British Standards Institution)*
- **Fundamentals of Digital Marketing -**Certifying authority: *Google Digital Unlocked*
- **Complete 2020 web development bootcamp-** Certifying authority: *Udemy*
- **Autopsy Basics and Hands on -**Certifying authority: *Basis Technology*

PROJECTS

- **Pharmacological and toxicological assessment of Plant poisons (Jan 2020- May 2020)**
  Final dissertation of undergraduate degree
- **Toxicology of Snake Bite (May 2019 – Jun 2019)**
  Minor project
- **Crime scene investigation: Analysis of Blood samples (May 2018)**
  Minor project through internship
- **Range of Soil quality and toxicity in different areas(Nov 2014)**
  Project done under National Children's Science Congress (NCSC) and it received first position at regional level.

LANGUAGES

◆ English ◆ Spanish ◆ Hindi ◆ Bengali