

Karanvir Singh Ghattoraya

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EDUCATION & QUALIFICATIONS

University of Bradford

2014 – 2017

BSc (Hons) Chemical & Forensic science

Achieved 2:1

Course modules covered the full range of physical, organic and inorganic chemistry, including thermodynamics, chemical kinetics and analytical forensic techniques.

Final Year Project - 62%

"Alzheimer's disease; a review of pathology, treatment, drug delivery and nanoparticles" – an analytical investigation into Alzheimer's disease, it's current neuropathy and current models of drug delivery used in the delivery of therapeutic agents.

Key Modules (3rd Year)

3 rd : Biometric and Human Identification	73%	3 rd : Advanced Analytical Spectroscopy	62%
3 rd : EA -Strategies in Synthetic Chemistry	56%	3 rd : Forensic Taphonomy	83%

Key Modules (2nd and 1st Year)

2 nd : Synthesis and Design	56%	2 nd : Toxicology	62%
1 st : Energy and Matter	60%	1 st : Functional Groups and Transformations	75%

Wyggeston and Queen Elizabeth I College, Leicester

2012 – 2014

'A' Levels: Philosophy (B), Chemistry (C) and Mathematics (B)

Beauchamp High School, Leicester

2010 – 2012

GCSEs: 8 subjects (A-C) including English, Mathematics and Science

LABORATORY / TECHNICAL AND SOFTWARE SKILLS

- Excellent knowledge of laboratory, analytical and spectroscopic techniques including FT-IR spectroscopy (Perkin-Elmer, Digilab instruments), NMR (Bruker), XRD (Bruker), Electron Microscopy (FEI) and Thermal Analysis (TA Instruments).
- Academic & practical use of a range of related databases – SciFinder, Word of Science and Reaxys.
- Regularly worked in small groups or individually to plan, carry out and conduct over 20 laboratory experiments; covering areas that required precision in documenting and observation, as well as strict time management and substantial independent research and preparation.
- Regularly working individual or in small groups to investigate evidence and crime scene using a range of analytical forensic techniques.
- Proficiency in the completion of risk assessment and COSHH forms along with understanding of SOP material and clear, concise laboratory record management.
- Competent with Microsoft Word, Excel and PowerPoint, Windows Internet Explorer and Chemistry related computer software such as ChemDraw.
- Excellent knowledge of the entire Mettler Toledo analytical instrument range, i.e. titration, UV/Vis spectrometers, density & refractometers, melting point, dropping point and, slip point instrumentation.
- Good understating of MySQL database management and creation, along with a working understating of Python.

WORK EXPERIENCE

Mettler Toledo, Leicester

Oct 2018 – Dec 2019

Inside Sales Coordinator (PI & Analytical Chemistry Division)

- Coordinating the sales team, of over ten field-based sales specialists with 200+ key accounts, along with my 160 accounts, bringing in a revenue of over £80,000 in my first 3 months in the role. Ensuring the sales business unit hits its quarterly target of £1,200,000. Providing end to end customer support, from enquiry to end sales, ensuring the adequacy of high-ticket value sales-related equipment and material. Leasing with key customers, at key and executive level, to diligently develop custom methods and bespoke equipment for clients.

3M (Minnesota Mining & Manufacturing)

May 2018 – Sep 2018

QC Inhalations/Raw Materials Scientist

- To conduct several physical and chemical tests on a range of pharmaceutical therapeutics for batch release and stability in line with departmental, pharmacopeia and international processes across a number of departments.
- Generation, documentation and work up of analytical data, in line with required GMP and department procedure.
- Maintaining of high work and document standards of compliance designated by external regulatory bodies and internal company produced, along with organisation, interpersonal and time management.

De Montfort University, Leicester

Oct 2017 – February 2018

Laboratory Technician (Clinical Skills, Forensics, Bio-Medical, Chemistry)

- To work as part of multiple teams to efficiently provide and prepare several undergraduate classes, along with the disposal of hazardous materials including clinical and chemical waste.
- Calibration, maintenance and cleaning of a range of practical and analytical equipment, including thermocyclers (PCR machines), GC-MS MSD and HPLC.
- Preparation and maintenance of safe working procedures, risk and COSHH assessments to ensure safe working conditions.

EL-Science, Peterborough

June 2017 - Aug 2017

Production Chemist

- Bulk & small-scale manufacturing of E-Liquid, nicotine solutions and flavourings from raw chemicals.
- Ensuring and maintain GLP and quality analytical analysis standards, along with correct PPE standards.
- Ordering and booking-in of raw chemicals, consumables, bulk materials and flavourings.
- Leasing with managers and staff members to ensure projects and products are delivered in an efficient and timely manner. Using company information to generate a monthly manufacturing plan.

KEY TRANSFERABLE SKILLS

Communication and presentation

- My degree and professional experiences have allowed me to develop my verbal communication skills through my marketing and sales experience, dealing with multiple stakeholders and decision makers, across both short term and long scale projects and business.

Adaptability

- My independent travels abroad have allowed me to develop my flexibility and adaptability and apply these skills in practical situations. My varied professional background has provided me with experience in a range of area and teams, allowing me to develop my adaptability and team skills.

Team working

- Group based projects at university, along with my work experience, have developed my skills in working within a team to meet targets, share tasks, delivery a high-quality product, develop my leadership skills and find compromises with individuals who might not have the same goals as my own.

Innovation

- During my time at college and the small business my friends and I developed I worked with a range of different individuals and had to manage the business end of the project.
- Additional professional projects, including becoming the lead chemist/flavourist for vaping company. These projects let me expand my skill set and logistical lab knowledge, along with allowing me to network in my sector.

LEISURE INTERESTS

- Member of the University of Bradford debate and badminton team, as well as brand ambassador for the university. Devoted interest in music, having learnt the guitar, bass, violin and piano along with producing my own music for over a decade.

REFEREES

Contact details of two referees will be made available upon request.