

SANDRA IXCHEL LÓPEZ ACOSTA

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[Linkedin](#) / [Github](#)

PERSONAL STATEMENT

Motivated and adaptable Data Analyst with a Higher Diploma in Science in Computing (NFQL 8) and training from the Generation Ireland & UK Data Analyst Bootcamp. Experienced in working with data to spot patterns, solve problems, and generate insights, including projects like a full-stack web app for dental clinic management. Fluent in English and Spanish, with strong communication, teamwork, and problem-solving skills. Eager to contribute to impactful projects and grow technical expertise in a long-term Data Analysis career.

KEY SKILLS

- Advanced skills in **SQL** and **Excel** for data manipulation, data cleaning and reporting.
 - Developing proficiency in **Python** (NumPy, Pandas, Matplotlib) for data analysis and **Power BI** for creating interactive dashboards and visualisations.
 - Built a full-stack web application for dental clinic management using Java, JavaScript, **MySQL** and Spring Boot, optimising data accuracy and solving complex problems.
 - Experienced in identifying patterns and trends in both clinical and technical environments, applying analytical thinking to propose data driven improvements.
 - Strong communicator with proven ability to explain complex information clearly to customers, peers and stakeholders across multidisciplinary teams.
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EXPERIENCE

Generation 'Data Analytics' Training, Dublin

Sep 2025 - Nov 2025

- Successfully finished training in Excel, SQL, Python and Power BI for data cleaning, querying and analysis.
- Planned and delivered data projects with a focus on problem-solving and stakeholder communication.
- Enhanced teamwork, collaboration and presentation skills through group projects.
- **PL-900 Microsoft Certified: Power Platform Fundamentals**

CCT College Dublin – HDip in Science in Computing, Dublin

Sep 2022 – Sep 2023

- Collaborated on a team project to build a Library Management System, applying problem-solving, database design and data handling techniques.
- Fulfilled multiple assignments and projects enhancing coding, data processing, application design and analytical thinking.
- Delivered presentations to communicate technical and analytical findings clearly to peers and instructors.

Peonia Candles (Founder), Dublin

Feb 2021 – Dec 2023

- Created brand identity and marketing strategy, including social media promotion and online sales.
- Used spreadsheets to track orders, analyse trends and visualise performance to make data based decisions.
- Managed customer relationships, logistics and troubleshooting operational challenges.

WORK EXPERIENCE

Treatment Coordinator, Specialist Orthodontic Practice, Dublin Jun 2023 - Dec 2024

- Conduct consultation appointments, explaining treatment options, costs and payment plans clearly to support informed decision making.
- Arranged and organised patient treatment journeys, analysing schedules and patient data to improve efficiency and accuracy.
- Maintained accurate patient records, tracking treatment progress and outcomes to support clinical and operational decisions.

Senior Dental Nurse, D4 Dentist, Dublin July 2020 – Jun 2023

- Organised and scheduled patient appointments, analysing patterns to improve treatment flow and reduce waiting times.
- Supervised stock and clinical staff rostering, tracking usage and resource allocation for efficiency.
- Maintained comprehensive patient records, enhancing accuracy and compliance with healthcare regulations.

General Dentist (Self-Employed), México Feb 2016 - Sep 2018

- Analysed patient data to develop personalised treatment plans, supporting informed and evidence-based clinical decisions.
- Handled daily practice operations, including record-keeping, scheduling, and workflow optimisation to improve efficiency and patient outcomes.

EDUCATION

Microsoft Power Platform Fundamentals (PL-900) Nov 2025

Higher Diploma in Science in Computing (NFQL 8), First Class Honours Sep 2022 - Oct 2023
CCT College, Dublin

Diploma in Dental Nursing (NFQL 7) Sep 2021 - Oct 2022
Dublin Dental University Hospital, Trinity College

B.A. in Dental Science (NFQL 8 equivalent), First Class Honours Aug 2012 - Aug 2017
Universidad Veracruzana, México

INTERESTS

Combining creativity and analysis drives my interests. I built a small candle-making business from scratch, managing everything from production to branding and sales, an experience that sparked my enthusiasm for AI, machine learning, and data science as tools for uncovering insights and creating impact. I'm actively building technical skills in analysis, visualization, and predictive modeling. Outside of work, I'm an avid reader, keen gardener, and proud dog owner.