

NATHANAEL BASHFORD

Pharmacist | Computer & Data Scientist

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PROFESSIONAL SUMMARY:

UK-registered Pharmacist with 8 years of experience as a Pharmacist Manager and Locum Pharmacist, bringing a strong analytical mindset and problem-solving abilities. Holds an MSc in Computer Science & Data Analytics, with strong proficiency in Python, Java, and machine learning. Experienced in developing software, web applications, applying data science, and handling databases through academic and personal projects. Passionate about leveraging technology to build efficient, scalable, and data-driven solutions.

TECHNICAL SKILLS:

Languages: Python, Java

Data Science: Pandas, NumPy, Matplotlib, Seaborn, Machine Learning, Deep Learning

Databases: SQL (PostgreSQL, MySQL, SQLite), MongoDB

Web Development: Flask, Bootstrap, REST APIs, HTML, CSS

Tools & Software: Git, GitHub, Unit Testing, Jupyter, PyCharm, Eclipse

EDUCATION:

MSc Computer Science & Data Analytics, University of York, 2024

MPharm (Master of Pharmacy), University of Hertfordshire, 2015

WORK EXPERIENCE:

Pharmacist Locum

Various UK Locations (Primarily Yorkshire & South West)

2019 – Present

Acting Responsible Pharmacist across various community pharmacies. Leading pharmacy teams in diverse settings, ensuring smooth operations and high service standards while quickly adapting to new environments and team dynamics.

- Leading and managing new pharmacy teams to ensure efficient operations.
- Ensuring clinically safe and effective supply of medication, adhering to clinical guidelines and best practices.
- Delivering high-quality pharmacy services, ensuring patient satisfaction, and meeting regulatory standards.

Pharmacist Manager

Delivery Chemist (now SA2 Limited), Scarborough, UK

January 2017 – May 2019

Managed a profitable independent pharmacy, overseeing daily operations, ensuring high-quality patient care, and driving business growth. Led team development, implemented new service requirements, and navigated a change of ownership.

- Leading and developing pharmacy teams, ensuring smooth operations, high performance, and staff training and professional development.
- Ensuring clinically safe and effective supply of medication, adhering to guidelines and best practices.

- Overseeing business operations and service delivery, through effective stock control and procurement, and delivering high-quality pharmacy services, ensuring profitability.
- Supporting the transition of pharmacy operations through a change of ownership, maintaining continuity and service standards.

Pre-registration Pharmacist

Hull University Teaching Hospitals NHS Trust, Hull, UK

September 2015 – September 2016

- Applied and gained clinical skills and pharmaceutical knowledge for safe, effective patient care.
- Communicated with patients and healthcare professionals on medication and treatment plans.

Ski REP

NUCO Travel, (Based in France/Switzerland)

November 2016 – January 2020

- Engaged passengers, provided trip information, and ensured smooth holiday experiences.

PROFESSIONAL SKILLS:

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| • Problem-Solving & Analytical Thinking | • Collaboration & Communication |
| • Attention to Detail | • Decision-Making Under Pressure |
| • Leadership & Adaptability | |

PROJECTS AND RESEARCH:

Beyond the Tweet: Exploring Reddit as an Alternative Resource for Disease Forecasting

(Master's Research Project: University of York)

- Developed BERT-based NLP models to classify Covid-19 discussions on Reddit.
- Improved 14-day forecasting accuracy by 31.8% using Reddit data in Random Forest Regression.
- Identified personal infection reports as a strong predictor (0.95 correlation) of Covid-19 trends.
- Highlighted Reddit's potential as a pandemic surveillance tool despite data limitations.

CERTIFICATION & TRAINING:

100 Days of Code: The Complete Python Pro Bootcamp – Udemy, 2025