

ABHISHEK NEGI

AI Engineering | Data Science | Machine Learning

United Kingdom | github.com/AbhishekNegi2309

PROFESSIONAL PROFILE

MSc Data Science graduate (Merit) and AWS Certified AI Practitioner with hands-on experience building natural language processing and computer vision applications. Completed the IT Career Switch AI Engineer Traineeship and passed both practical AI projects. Brings additional experience in business analytics, dashboard reporting, healthcare administration and maintaining accurate operational records.

TECHNICAL SKILLS

Programming and data: Python, SQL, pandas, NumPy, data cleaning, preprocessing and statistical analysis

AI and machine learning: PyTorch, Hugging Face Transformers, CLIP, scikit-learn, embeddings, cosine similarity, model evaluation

Applications and development: Flask, REST APIs, Pillow, Git, GitHub, Jupyter, Streamlit

Analytics and reporting: Power BI, Tableau, Microsoft Excel, dashboards and data visualisation

AI ENGINEERING PROJECTS

Medical Text Summarisation | Natural Language Processing

IT Career Switch practical project | Passed 2026

- Developed an application that generates concise summaries from radiology findings, including dataset preparation, text cleaning, tokenisation and a summarisation pipeline.
- Evaluated generated summaries using ROUGE-1 F1 and integrated the pipeline with a REST API and user interface.

Visual Product Recommendation System | Computer Vision

IT Career Switch practical project | Passed 2026

- Processed and validated a product image dataset, retaining 31,377 clean images for feature extraction.
- Used a pretrained CLIP model to produce 512-dimensional image embeddings; applied L2 normalisation and cosine-similarity nearest-neighbour retrieval.
- Built a Flask interface for uploaded images and retrieval of the top five visually similar products.

CERTIFICATION AND AI TRAINING

AWS Certified AI Practitioner (AIF-C01) | Achieved August 2026

IT Career Switch - AI Engineer Traineeship | Completed 2026; two practical projects passed

Training covered Python for AI, machine learning, deep learning, natural language processing, computer vision and AI application development.

PROFESSIONAL EXPERIENCE

Administration Assistant

South Tees Hospitals NHS Foundation Trust, UK | 2025 - Present

- Manage outpatient appointment workflows and maintain accurate patient information in healthcare administration systems.
- Support waiting-time performance processes, data quality and record accuracy for operational monitoring.
- Coordinate enquiries and communications between clinical and administrative teams while following information governance requirements.

Administrator

Cambridge University Hospitals NHS Foundation Trust, UK | 2024 - 2025

- Supported high-volume outpatient appointment scheduling, patient record updates and clinical communications.
- Maintained accurate electronic patient information and coordinated cancellations, bookings and post-clinic administrative work.
- Worked with clinical and administrative colleagues to keep patient pathways and records up to date.

Data Analyst

Realme | 2023 - 2024

- Worked on data cleaning, quality checks and analysis to support business reporting and decision-making.
- Developed and improved dashboards and visualisations to help stakeholders explore key business information.
- Communicated analytical findings and reporting requirements with technical and non-technical colleagues.

EDUCATION

MSc Data Science (Merit) | University of Birmingham, UK | 2022

BTech Computer Science and Engineering | Dronacharya College of Engineering, India | 2021

ADDITIONAL DATA SCIENCE PROJECTS

AutoML for Imbalanced Data Classification - Explored automated machine learning and techniques for handling imbalanced classification data as part of postgraduate project work.

UK Travel Trends Analysis - Analysed UK inbound and outbound travel trends and communicated results using data visualisation and dashboards.

NHS Patient Outcome Analysis - Cleaned and analysed healthcare data using SQL and Excel, with statistical analysis and dashboard-based reporting.

ADDITIONAL TRAINING

PwC Power BI Virtual Case Experience (Forage) | KPMG Data Analytics Virtual Internship (Forage) | HackerRank Python & SQL