

Sara Bhatti

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London, United Kingdom

Self-motivated, organised and detail-oriented professional with a strong background in project management, data analysis and a passion for leveraging data-driven insights to address business challenges. Recently completed a Data Science program, equipped with skills in reporting, data visualization, documentation, qualitative and quantitative analysis, and proficiency in tools such as MS Packages, Tableau, Python, and SQL. Proven ability to establish and maintain excellent communications and relationships.

KEY SKILLS

Data Analysis Skills: Qualitative Analysis, Quantitative Analysis, Big Data Processing, Machine Learning Algorithms, big datasets.

Data Visualization and Reporting Tools: PowerPoint, Power BI, Tableau, Excel.

Programming and Database Technologies: Python, SQL, GitHub, MongoDB, HTML.

PROJECTS

Cricket Analysis – PYTHON, SQL, EXCEL, FuzzyWuzzy, Random Forest, Logistic Regression, Power BI, PowerPoint

- Utilised Python and Excel for web scraping and data extraction.
- Developed a comprehensive data model and visualisations using Power BI, enhancing report efficiency through DAX optimisation.
- Created a Streamlit application for predicting tournament winners based on historical team performance and match venue conditions.
- Designed another Streamlit application to forecast individual batsmen's run-scoring potential.

Fake News Predictor – PYTHON, TensorFlow, BERT, PowerPoint

- Developed a sophisticated predictive model using BERT (Bidirectional Encoder Representations from Transformers), TensorFlow, and Python to discern fake news from genuine sources.
- Implemented advanced natural language processing techniques to analyse textual data and identify patterns indicative of misinformation.
- Conducted extensive preprocessing and fine-tuning of BERT models to enhance accuracy and efficiency in fake news detection.
- Employed techniques such as tokenization, attention mechanisms, and transfer learning to improve model performance on diverse datasets.

Heart Failure Predictor – PYTHON, ANNs, Logistic Regression, Tensorflow, Streamlit, PowerPoint

- Python for comprehensive data exploration, employing various statistical techniques to gain insights into heart failure datasets.
 - Utilised logistic regression and artificial neural networks (ANNs) implemented with TensorFlow to develop a robust predictive model capable of accurately forecasting heart failure occurrences
 - Conducted feature engineering and model optimization to enhance the performance and reliability of the predictive model, ensuring robustness and accuracy in predictions.
 - Designed and developed a user-friendly Streamlit application for predicting heart failure probabilities, enabling easy access and utilisation of the predictive model by healthcare professionals and individuals alike.
 - Created visually engaging presentations using PowerPoint to effectively communicate project findings, methodologies, and results to stakeholders and team members, facilitating clear understanding and decision-making processes.
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EMPLOYMENT HISTORY

Career Break to raise a family

Teaching Assistant/HLTA – Al-Noor Primary School, London

- Received an award for Non-Teaching staff

September 2010 – December 2013

- Developed an Excel workbook for whole school attendance tracking
- Working within an educational team assisting in all classroom activities, assessing, helping and motivating students
- Preparing and inventing new resources and creating creative displays
- Organise and delivered baking lessons to year 6 pupils as an additional lesson. Deliver booster classes and intervention and assessing homework and working with the class teacher with assessments
- Managed the school choir as an after-school club. Covering classes in year 3 and 4 as a HLTA
- Conduct teaching assistant training during staff meetings

Play Scheme Relief Worker – Cheviots Children’s Disability Service, London September 2008 – June 2011

- Supervising children during half term play schemes, interacting with young children of a range of ages and disabilities, including autism and physical disabilities.
- Work with the children on a 1 to 1 basis, encouraging them to participate in group activities and day trips.
- Using basic sign language and communicating with lots of energy, to help stimulate their minds and support their personal development.

Case Worker – Muslim Mediation Service, London December 2008 – June 2009

- Part of the prevent strategy (PVE), working with parents, with children who have been identified as vulnerable for social exclusion, self-esteem, anger, drug issues and more.
- Enhancing parenting skills, communication, trust issues, dealing with difficult behaviour and conflict resolution.
- Also working with MMS with mediation and coaching cases between siblings, inter-generational and between couples.

HR & Training Administrative Assistant – Muslim Aid, London July 2007 – December 2008

- In house training of staff, organising external training sessions.
- Dealing with staff personal, work related and work performance issues, which require efficiency and professionalism.
- Maintain staff personnel files on a computerised system, which I developed.
- Regularly update staff leave and time sheets, monitor, evaluate and analyse end of year holidays and statistics, send out references and correspondences.
- To ensure all contracts are up to date and no discrepancies exist in the paperwork.
- Duties also include cover for colleagues within department, dealing with recruitment and other HR issues.

Administrative Assistant for Office Management and Receptionist – Muslim Aid, London

- First line of communication for stakeholders and staff.
- Front of house reception duties, communicating and organising resources for the office.

EDUCATION

Sept 2023 – Dec 2023	Data Science	The Developer Academy, Online
June 2023 – July 2023	Data Science	TechTalent, Online
Nov 2022 – Feb 2023	Level 3 Analysing Data	Babington, Online
Oct 2007 – July 2008	Certificate in Counselling Psychology	City University, London
Sept 2003 – July 2006	(BSc) Honours in Psychology	University of Westminster, London

TRAINING

January 2023	Certificate in Excel 2019	uCertify, Online
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