Hasan Khan

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https://github.com/hasankhan1010/Projects.git

I am a motivated and detail-oriented BSc Computer Science student at London Metropolitan University with a strong foundation in data analytics and the programming languages Java and Python. With multiple years of experience and hands-on expertise in tools like Power BI, I am passionate about leveraging data to drive strategic decisions and optimize performance. My background in both administrative roles and data analysis projects has improved my ability to work efficiently in fast-paced environments while meeting deadlines. I am eager to contribute my data analysis and problem-solving skills to a team as I continue to grow my expertise in the industry.

SKILLS/COMPETENCIES:

- Microsoft Office: Excel, PowerPoint, Publisher, Word etc
- Power BI, Google Sheets | Project Management: Scrum
- Programming: Java, NoSQL/MySQL (Microsoft SQL Studio, Workbench, PhpMyAdmin, Oracle SQL) Python, html, CSS,
- ETL Processes, data warehousing, data modelling, data mining
- Cyber security – awareness to protect data, maintain privacy, securing digital information and networks
- CRM Tools - extensive knowledge
- Digital literacy – teams, skype etc
- Knowledge of GDPR Laws
- Cloud Computing - Microsoft Azure and AWS
- Adaptable to all working environments and new tech/programs
- Networking basics – Wi-Fi, Routers, IP knowledge
- Internet of Things – implementation and management of IoT devices and systems (Packet Tracer)
- Hardware Knowledge – replacing RAM and hard drives as well as setting up workstations
- Duke of Edinburgh Gold Award - Enhanced my communication, problem-solving, and teamwork skills. Planning the daily hiking expeditions required collaboration between a group. Organise our breaks to be at certain times to be time efficient.

RELATED EXPERIENCE:

Database Optimization and Testing (October 2023 - January 2025) [London Metropolitan University - 166-220 Holloway Road, London, N7 8DB, UK] :

Implementing the ETL process by extracting, transforming and loading data to ensure accuracy and usability. Transforming and organizing data in Excel/MySQL databases, optimizing performance by eliminating unnecessary data and reducing bloat. Assisting in front-end and back-end development to enhance data querying and produce efficient, actionable outputs. Collaborating with a team to resolve issues.

Administrator (June 2021 - May 2023) [B A Security - 2A Reginald Street, Luton, LU2 7QZ, UK] :

At B A Security, I developed strong organizational and problem-solving skills by managing office/client records, scheduling engineer visits and updating client information in the system. I also coordinated meetings, handled client inquiries and ensured timely delivery of services. This role honed my ability to work under pressure and meet deadlines - skills that are essential for data-driven roles where attention to detail and managing complex datasets are critical.

Appointment Setter (June 2023 - Current) [European Consumer Claims - Work From Home] :

Responsible for identifying and booking meetings with customers seeking timeshare compensation, relinquishment or sale through a dialler system integrated with a CRM. This role has strengthened my data management skills and provided experience with CRM systems - key assets in transitioning into data analysis or data engineering where organizing and analysing customer data is crucial.

Name of Course	Date of Course	Education Organisation	Grade:
Computer Science – Bachelor's Degree	Since September 2022	London Metropolitan University	To Be Given (Predicted 1st)
Maths, Economics, Computer Science	September 2019 – May 2021	Leyton Sixth Form	B, B, B
GCSE Qualifications	September 2016 – May 2019	Leytonstone Secondary School	Maths: 8, English:7, Science:7, Business Studies:7, CIDA ICT: A*, Geography:7, Drama: 6

PROJECTS:

Vehicles Sales Data All-In-One Data Analysis: Using Excel, SQL and PowerBI I have an extensive data analysis project where I provide actionable insights to a very large dataset. I explored and cleaned the data entirely, gave analysis based on region/sales/models/MMR/condition, gave insights into vehicle attributes/customer preferences and then provided actionable insights where I asked/answered lesser known questions. PowerBI to showcase key data trends for further analysis.

Data Processing, Analysis, Design and Modelling : Gathered and analysed another real-world dataset using SQL to develop an interactive dashboard in Power BI. I summarized common client similarities, applied normalization techniques and created Entity-Relationship diagrams to design/populate the SQL tables. Also executed query scripts to show efficient data retrieval.

Data Structures and Specialist Programming : Developed a 'Stationary Registration' web application using Java, MySQL and Bootstrap. It allows users to register, edit/delete stationary products with real-time database updates and a user-friendly interface. I Implemented professional web development concepts including servlet handling, database interaction and front-end design.

Software Engineering : Developed a membership management system for a leisure centre using Java Swing, MySQL on Eclipse IDE. The system includes features such as member registration, editing and deleting along with a GUI interface for ease-of-use by front desk staff. Implemented functionalities for verifying members, generating unique IDs and managing membership plans. Also evaluated agile project management methods for the software product development.

Final Year Project : I am developing a sustainable, web-based CRM system for a security company to enhance operational efficiency while reducing resource waste. The system will streamline client management, automate scheduling and track sustainability metrics which ensures both improved performance and environmental responsibility. This project will strengthen my skills in data management, system optimization and sustainable IT practices.

Distributed, Cloud and IoT Systems : Connected sound sensors to a Raspberry PI where I tested sound across all library floors and created a comprehensive graph showing noise levels by time and day of the week. This project highlighted my ability to gather, analyse and visualise data.

ADDITIONAL: Analytical thinking, attention to detail, communication, teamwork and collaboration, time management, adaptability, problem solving, critical thinking, creative thinking, self-motivation, multitasking, leadership, resilience, conflict resolution, decision-making, emotional intelligence, curiosity, project management, adaptability/flexibility, dedicated work ethic, active listener, innovation, delegation, networking, accountability, data-driven decision maker, technical communication, time-management efficient, logical reasoning, analytical mindset, self-learning— Can provide examples of applying each skill in professional and academic projects

References available on request