Mandeep Kour

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Summary of Qualifications

- Detail-oriented Data Analyst with experience in data governance, business intelligence, and machine learning. Skilled in managing information systems and leveraging data analysis tools to drive insights. Have 1+ years of experience in strategic planning, analytical thinking, and creative problem-solving to meet customer needs
- Motivated, customer-focused professional skilled in solving business problems with data-driven solutions, bringing a positive can-do attitude and exceeding expectations
- Skilled in stakeholder engagement, Agile project support, and business communication. Proficient in Excel, SQL, Tableau, and IBM Cognos, with hands-on experience designing and optimizing relational and non-relational databases and implementing robust ETL processes for efficient data transformation.
- Strong communication skills with a proven ability to drive performance

Technical Skills

Operating Systems:	*Windows 10*
Applications & Tools:	*Microsoft Excel, Tableau, PowerBI*
Soft Skills:	*Problem-solving, Attention to Detail, Ability to work independently*
Tools:	*Google Workspace (google sheets, collab), IBM Cognos Analytics, Jupyter*
Project Management Fundamentals:	*Agile, Scrum, Trello*
Languages & Data analysis Tools:	*SQL, Python (Pandas, NumPy, Matplotlib/Seaborn, Scikit-learn)*
Machine Learning & Analytics:	*ML Algorithms (regression, classification, clustering), natural language processing, anomaly detection, AI Platform integration, anomaly detection, Predictive Modeling, Deep Learning, Statistics, statistical analysis*

Education & Certifications

IBM Data Analyst Professional Certificate	**Sept 2025**
Microsoft Azure AI 900 Fundamentals Professional Certificate	**Jul 2025**
Junior Data Analyst Program	**Jun 2023 – Sept 2025**

NPower Canada │ Toronto

14-week intensive online training on the fundamentals of computer technology and project management

- Utilize Excel spreadsheets to perform data wrangling and data mining
- Develop working knowledge of the Python language for data analysis using Pandas and Numpy
- Effectively complete a capstone project by collecting data from multiple sources, performing exploratory data analysis, data wrangling, statistical analysis, and mining of the data using Python libraries
- I worked extensively on creating charts and plots to visualize data and building an interactive dashboard using IBM's Cognos Analytics and various Excel charts/graphs
- Visualize data using Python libraries, including Matplotlib, Seaborn, Plotly, and Dash
- Compose queries to access data in cloud databases using SQL and Python from Jupyter notebooks
- Explain cloud concepts, benefits of cloud computing, and core Azure architecture components
- Use core Azure services and choose the Azure AI services that best address a company's challenges
- Control Azure spending and manage bills by applying recommended practices to minimize cost

- Demonstrated a high level of understanding of Agile Project Management Lifecycle and key techniques, and successfully completed Agile projects using tools such as Scrum and Kanban

Generative AI for Business with MS Azure with OpenAI | Great Learning   **Apr 2024**

Master's of Data Science   **Feb 2024**
University of Deakin | Australia

Postgraduate Diploma in Artificial Intelligence and Machine Learning   **Feb 2022**
Great Lakes and McCombs School of Business - University of Texas | USA

Bachelor of Technology in Electronics and Communication   **May 2012**
Guru Nanak Engineering College | India

Work Experience

Business Analyst   **Jan 2022 – Mar 2023**
Virtusa │ Hyderabad, India
- Coordinated cross-functional workflows to enhance data acquisition and reporting, supporting leadership in strategic planning and decision-making through advanced Excel, SharePoint, and Tableau
- Collaborated with stakeholders to gather and refine technical requirements, demonstrating strong communication skills, business communication, and analytical thinking across global teams
- Created governance decks and executive status reports (DOR, WOR, MOR), strengthening project governance practices and improving workflow management, stakeholder alignment, and visibility into project progress
- Developed and maintained trackers and KPI dashboards to monitor SLA/OLA compliance, supporting audits and enabling process optimization initiatives
- Managed client escalations and performed root cause analysis, identifying potential business opportunities, ensuring timely resolution while meeting internal standards and regulatory requirements through issue pattern analysis

Special Projects

Final Capstone Project – COVID-19 Detection Using Deep Learning on Chest X-Ray Images   **Apr 2021**
Great Lakes University of Texas
- Designed and implemented an end-to-end deep learning solution to classify COVID-19 from chest X-ray images, eliminating the need for manual feature extraction
- Achieved 97% accuracy using a VGG-based CNN model, outperforming benchmark models such as ResNet and Inception in terms of precision, recall, and F1 score
- Built and deployed a user-friendly Flask-based web interface allowing healthcare practitioners to upload radiographic images and receive real-time COVID/normal predictions
- Demonstrated potential real-world impact by addressing the shortage of radiologists in rural or underserved regions during the pandemic through accessible AI-based diagnostics, which identify opportunities for improvement and contribute creative solutions to enhance efficiency and effectiveness
- Presented findings with team members at the IEMTRONICS International Conference, held virtually in Toronto, Canada, 21–24 April 2021