Meet Nilesh Patel

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Skills

Programming: Python, Pandas, NumPy, Scikit-learn, R, DAX, Power Query and RESTful APIs.
Databases: MongoDB (NoSQL), MySQL, SQLite, Google Cloud Storage and Azure Blob Storage.
Software: Alteryx, Power BI, Tableau, Power Automate, Power Query, RStudio, Microsoft 365 (Excel, Word, PowerPoint, Visio, Outlook, Forms, SharePoint, and Teams) and Google Workspace (Docs, Sheets, Slides, and Forms).
Cloud/Platforms: Microsoft Azure, Google Cloud Platform (GCP), Databricks, and Google Data Studio.
Project Management: Microsoft Project, Azure DevOps, JIRA Kanban Boards, requirement collection, requirement analysis, stakeholder communication & analysis, project planning, and project strategy.
Interest Areas: Advanced Analytics, Data Storytelling, Applied Machine Learning and Responsible AI.

Professional Experience

Business Intelligence Engineer – Humble and Fume, Toronto   **May 2023 - Present**
- Eliminated human error and manual tasks by initiating 12+ transformation projects involving automated workflows.
- Mitigated 5+ big data limitations due to Excel by migrating spreadsheet reporting to streamlined data pipelines.
- Automated data collection by leveraging 8+ Python scripts and 9+ Power Automate workflows.
- Built scheduled workflows in Alteryx for data ingestion and transformation that process 1-1.5 million rows of data daily saving 90-100% of time & efforts of 15+ members on data and reporting tasks.
- Designed Power BI dashboards tailored for not-technical management & execs for data-driven decision support.
- Developed and implemented a new analytics service, resulting in a 30% increase in annual revenue from two new clients attracted by the new analytics service and a 10% revenue hike from each existing client.
- Delivered business success leveraging effective communication and feedback mechanisms to precisely capture requirements and deliver impactful insights for ad-hoc projects & requests from internal and external stakeholders.
- Enhanced marketing operations using A/B testing, data insights, data stories and data-backed marketing materials.
- Utilized tools for Analytics, Automation, Data Engineering & Security, Business Intelligence & Communication.

Business Analyst – Princess Margaret Cancer Centre, Toronto   **Jan 2023 - Apr 2023**
- Slashed wait times for treatment of cancer patients by 20 % in collaboration with the Project & Program Managers.
- Extracted valuable insights using patient data analysis and designed 3 project performance Power BI dashboards.
- Facilitated strategic project planning in MS Project and solution design with the help of technical competencies.
- Identified 3 root causes using research & analysis, and formulated 7+ solutions for the problem statement.

Data Scientist – PricewaterhouseCoopers (PwC), Toronto   **Sept 2022 - Dec 2022**
- Designed and developed Advanced Analytics, Business Intelligence and AI solutions for Fortune 500 clients.
- Contributed to Business operations on client proposals and demonstrations to engage with clients.
- Won a project worth $250,000+ using feasibility study & solution presentation for a public client proposal.
- Automated an application service for a public client to achieve their ESG goals of going paperless operation.
- Developed machine learning pipeline with Google Cloud Vision, Cloud Storage, Pub/Sub and Python to extract data from application forms & documents, validate extracted information and provide decision to approve or reject.
- Enhanced efficiency of the application process by 92% compared to manual method.
- Eliminated manual work and saved 95-99% time and efforts by developing an AI solution for a public client to detect and redact customizable PIIs from declassified government documents.
- Utilized Azure Form Recognizer, Blob Storage, Databricks, Python and spaCy for the solution and Streamlit for UI.
- Performed exploratory data analysis (1.5+ million rows), statistical analysis (hypothesis testing, correlation, backward elimination, and forward feature selection), requirements analysis and market research.
- Contributed to an aggregate of $720,000+ in revenue by leveraging expertise in Responsible AI, Machine Learning (Natural Language Processing (NLP), Computer Vision, and LLM APIs), Analytics, and Business Intelligence.
- Delivered projects successfully while demonstrating strong product analysis and project management skills.
- Technologies: Azure, GCP, Python, Databricks, Alteryx, Power BI, Tableau, LLM APIs and Azure DevOps.

Software Development Engineer – Dev Centre House, Ireland   **Dec 2020 - Apr 2021**
- Programmed backend logics & functions, data pipelines, data processing and automation scripts for web and software applications leveraging integration of Python, data warehouses, databases, and APIs.
- Enhanced existing modules and pipelines optimizing resource usage by over 15%, saving operational costs.
- Tested, maintained, and documented APIs using Postman.
- Resolved bugs across projects using debugging tools and techniques for timely fixes and performance boosts.
- Collaborated with cross-functional teams across the globe to deliver successful client projects, secure new clients through compelling proposals, and provide consulting to new and existing clients.

Education

Master of Science in Project Management with Analytics Concentration **April 2023**
Northeastern University
GPA: 3.8/4.0

Post Graduate Certificate in Big Data Analytics **April 2021**
Georgian College
GPA: 4.0/4.0

Bachelor of Science in Computer Science, Data Analytics Specialization **May 2020**
Kadi University
GPA: 9.0/10.0

Certifications

- **Project Management** - Harvard University
- **Big Data Foundations** - IBM
- **Data Science Methodologies Badge** - IBM
- **Google Analytics Individual Qualification** - Google Inc.
- **Certified Information Security & Ethical Hacker (CISEH)** - CRISIL Limited

Volunteering

- Volunteered to be a PwC Representative at **Toronto's Big Data & AI Conference 2022**.
- Committee Member in my regional Community for **fundraising, help campaigns, and awareness drives**.
- **Student Help Groups'** Volunteer at Georgian College.
- Head of the **Hack & Game Club** (2019-20) at Undergraduate University.
- Volunteered to host events and campaigns for **old-age homes, orphanages, and gifted children's hospital**.

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