

Data professional with a robust foundation in analytics, data engineering, and machine learning, backed by hands-on experience across industries and technologies. Proven ability to extract actionable insights from complex datasets, develop scalable backend and data pipelines, and deliver end-to-end data solutions. Strong academic grounding in applied analytics, with a 4.0 GPA from Columbia University. Adept at collaborating with cross-functional teams, automating reporting and workflows, and leveraging data storytelling to influence strategic decisions. Passionate about transforming data into business value through both technical depth and strategic thinking.

EDUCATION

<b>Columbia University – New York, New York</b> <i>Master of Science in Applied Analytics (Incl. STEM OPT extension)</i> <i>Courses: Frameworks &amp; Methods in Applied Analytics I-II, Applied Analytics in the Organizational Context, Research Design, Storytelling with Data, Strategy &amp; Analytics, Managing Data, Analytics &amp; Leading Change, SQL, Market Research, Python, Capstone Project</i>	<b>Sep 2023 – Dec 2024</b>
<b>Brunel University – London, United Kingdom</b> <i>Bachelor of Engineering in Electrical &amp; Computer Engineering with Placement</i> <i>Courses: Engineering Mathematics &amp; Programming I-II, Applied AI &amp; Machine Learning, AI Systems, Engineering Mechanics, Electronic Devices &amp; Systems, Digital Devices &amp; Systems, Electronic Systems, Signals &amp; Systems, Microcontroller Principles, Embedded Systems, Advanced Electronics, Research Project</i>	<b>Sep 2018 – Jul 2022</b>

PROFESSIONAL EXPERIENCE

<b>Data Analyst, Four K Chemists LLC – New York, NY</b> <ul style="list-style-type: none"><li>Leading the development and automation of data pipelines to consolidate inventory, sales, and customer data, enabling real-time dashboarding and predictive analytics for operational efficiency and strategic decision-making.</li></ul>	<b>Apr 2025 – Present</b>
<b>Backend Data Engineer, Stealth Startup – New York, NY</b> <ul style="list-style-type: none"><li>Designed and implemented OpenAPI specifications (YAML) for Notion, Dropbox, X, and Github using Swagger UI for documentation and testing.</li><li>Developed scalable backend services with integrated authentication and serverless orchestration to automate data workflows, supporting real-time analytics and decision logic.</li><li>Developed RAG-enhanced API endpoints to better understand user intent and dynamically generate workflow definitions.</li><li>Built CNCF serverless workflows that integrated multiple APIs to automate tasks, such as updating a Slack channel whenever a new Github issue was created.</li></ul>	<b>Oct 2024 – Mar 2025</b>
<b>Business Intelligence Analyst Intern, Credico, – Chicago, IL</b> <ul style="list-style-type: none"><li>Designed and automated a reporting pipeline using Qlik Application Automation, generating dynamic 40 page-reports and reducing manual overhead by 4 hours weekly, saving \$120,000 annually while ensuring data integrity.</li><li>Enhanced Qlik Sense UX and automated internal reporting via NPrinting, improving analytics accessibility and adoption across teams.</li><li>Conducted in-depth data analysis and collected user insights to optimize UX journeys, improving user satisfaction metrics by 30% across the 40-page report.</li><li>Recommended and implemented custom thumbnail graphics for Qlik Sense client-applications, enhancing user interface aesthetics and improving application navigation efficiency, leading to a 15% increase in user satisfaction.</li></ul>	<b>Jun 2024 – Aug 2024</b>
<b>Data Analyst &amp; NLP Engineer, Brunel University London, – London, United Kingdom</b> <ul style="list-style-type: none"><li>Developed a full-stack data analytics platform that retrieved Twitter data using Tweepy library, stored it in PostgreSQL, and performed NLP-driven sentiment analysis, frequency mapping and keyword extraction to produce actionable visual insights.</li><li>Designed and deployed interactive visualizations using Python libraries (Matplotlib, WordCloud, Plotly), to communicate trends, public sentiment and topic relevance to non-technical stakeholders in research and academic settings.</li><li>Engineered a robust data pipeline from ingestion to visualization, applying text pre-processing techniques (tokenization, lemmatization, stop-word filtering) and training classification models to identify and label sentiment polarity with high accuracy.</li></ul>	<b>Jul 2022 – Feb 2023</b>
<b>Business Data Analyst, Money Expert – Surrey, United Kingdom</b> <ul style="list-style-type: none"><li>Analyzed mobile user behavior and product performance using SQL and advanced Excel, uncovering UX/UI insights that led to a 30% increase in engagement and improved retention rates.</li><li>Built and maintained automated reporting pipelines, reducing data retrieval time by 25% and enabling real-time performance monitoring for marketing and product teams.</li><li>Partnered with BI and cross-functional stakeholders to define KPIs, translate business requirements into data solutions, and guide product decisions through actionable insights.</li></ul>	<b>Oct 2020 – Sep 2021</b>

PROJECT EXPERIENCE

<b>Skies Shipment Tracking &amp; Client Portal – Personal Project (In Progress)</b> <ul style="list-style-type: none"><li>Designing and developing a role-based shipment tracking portal for Skies clients, integrating the Searates.com API to deliver real-time shipping and clearance updates via a secure web dashboard.</li><li>Building an access-controlled system with three user tiers — admins (full CRUD access), drivers (update-only), and clients (read-only) — including automated email notifications triggered for required documentation and shipment milestones.</li></ul>	<b>Feb 2025 – Present</b>
<b>Skies Shipping &amp; Clearing Web Application – Personal Project</b> <ul style="list-style-type: none"><li>Developed and deployed a full-stack web application for a real-world logistics company (<a href="http://skies-lb.com">skies-lb.com</a>) that enables users to request shipping quotes, streamlining lead capture and improving client accessibility.</li><li>Built the platform from scratch using TypeScript, React, TailwindCSS, and Node.js, integrating responsive design and automated email handling to support operational efficiency.</li></ul>	<b>Dec 2024 – Feb 2025</b>
<b>Capstone Project, sponsored by a leading French Financial Institution – Columbia University</b> <ul style="list-style-type: none"><li>Built an AML detection system using K-Means, HDBSCAN, and Graph Network Analysis to identify anomalous transactions based on key typologies like high-risk geographies and rapid fund movement.</li><li>Engineered a scoring framework and explanatory module to flag and rank 53,000+ suspicious transactions, enhancing the sponsor's compliance triage process with actionable insights.</li></ul>	<b>Sep 2024 – Dec 2024</b>

TECHNICAL & ANALYTICAL SKILLS

**Languages:** Arabic (Native), English (Native), French (Limited Working Proficiency)  
**Core Competencies:** Data Analytics & Visualization, Statistical Modelling, Experiment Design, A/B Testing, Business Intelligence, Data-Driven Decision Making, Growth & Product Development, Go-to-Market Strategy, Quantitative & Qualitative Research, Strategic Insights, Consumer & Market Research, Data Governance & Quality  
**Technical Skills:** SQL, Python, R, Tableau, Javascript, Typescript, Power BI, Excel, SPSS, Jupyter, Git, HTML, CSS, Pandas, NumPy, Matplotlib, Seaborn, Plotly, ggplot2, Scikit-learn, TensorFlow, NLTK, React, TailwindCSS, PostgreSQL, MySQL, MongoDB, REST APIs, Vercel, ETL Pipeline Design, Feature Engineering, Unsupervised Learning, Clustering (K-means, HDBSCAN), Graph Network Analysis, Dimensionality Reduction, Dashboard Development, Data Storytelling