Nathaniel Kaleb

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PROFESSIONAL SUMMARY

Computer Science student with hands-on experience in AI agents, ML pipelines, and data-driven solutions for enterprise clients. Skilled in Python, SQL, and cloud-based data engineering, with a strong ability to translate business needs into scalable AI/ML models. Collaborative communicator with analytical rigor and a growth mindset, seeking a data science consulting role to drive impact through GenAI, statistical modeling, and cloud technologies.

EDUCATION

Virginia Tech **May 2027**

Computer Science, (BS) Blacksburg, VA

- **In-Major GPA:** 3.7/4.0
- **Related Coursework:** Data Structures and Algorithms, Introduction to Databases and SQL, Statistics
- **Related Organizations:** ColorStack, AI/ML Club, National Society of Black Engineers

SKILLS

- **Languages:** Python (scikit-learn, pandas, PyTorch), SQL, Java, JavaScript, Flask, Django
- **ML/AI:** Regression modeling, ETL pipelines, feature engineering, model evaluation, agentic AI development, prompt engineering, statistical analysis
- **Analytics:** Power BI, Tableau, Excel; KPI tracking, dashboards, SQL query optimization
- **Cloud/DevOps:** Docker, Git, Bash, IBM watsonx, AWS, Azure
- **Professional:** Agile methodologies, design thinking, stakeholder presentations, cross-functional teams

PROJECTS

Enterprise-Ready Agentic AI|IBM AI Experiential Learning Lab **Current**

- Developing enterprise-ready agentic AI prototype using IBM watsonx, applying prompt engineering, model evaluation, and AI agent orchestration to solve real business problems for cross-industry clients
- Collaborated with IBM Consulting mentors using agile and design-thinking to translate client needs into governance-aware AI solutions with measurable business impact
- Utilizing evaluation-driven development, model observability, and MLOps practices to ensure reliable, ethical, production-ready AI deployment.

End-to-End E-Commerce Profit Prediction Pipeline|Independent ML Project **Jan. 2026**

- Built an end-to-end ML pipeline using Python (scikit-learn, pandas) to transform raw e-commerce transaction data into profitability predictions, enabling data-driven revenue optimization for business stakeholders
- Applied statistical modeling and regression techniques (linear regression, feature selection, cross-validation) to evaluate business outcomes across 10,000+ transaction records
- Implemented reproducible, cloud-ready workflows using Docker containerization and Bash automation scripts, demonstrating readiness for enterprise-scale data engineering and MLOps environments

Market Entry Analytics Dashboard|Divine Experience Studio **Nov. 2025**

- Designed a Power BI dashboard integrating 20+ diverse data sources (venue data, customer activity, pricing, geographic factors) to evaluate market entry opportunities and inform strategic decision-making
- Ensured 95%+ data accuracy via SQL/Excel validation and presented insights to non-technical stakeholders.

WORK EXPERIENCE

Ease Automations **May 2025 - Current**

Data Engineer Remote

- Collaborated with the development team to build and train AI models using Python and Flask, supporting 20+ intelligent automations impacting 5,000+ users.
- Conducted exploratory data analysis (EDA) and performance monitoring using SQL, Python (pandas), Power BI, and Google Analytics to evaluate system effectiveness, track KPIs, and identify optimization opportunities
- Built ETL pipelines to cleanse, integrate, and transform data from multiple sources, ensuring data quality and enabling real-time analytics for business decision-making
- Partnered with technical, marketing, and strategy teams to translate model outputs and analytical insights into workflow, UX, and automation improvements that reduced friction and improved engagement.