Kumar Karthik Ankasandra Naveen

Boston, MA | mail@kumarkarthikan.com | +1(857)-340-0271 | Portfolio | LinkedIn

Education

Northeastern University, Boston, MA   Sept 2023 – April 2026
Master of Professional Studies in Analytics | Concentration: Applied Machine Intelligence | GPA: 3.95/4.0

Technical Skills

Languages & Query: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL, PL/SQL, R

Analytics & BI: Tableau, Power BI, Qlik, Looker, Streamlit, Product Analytics, Excel (Advanced), Jupyter Notebook

Data Engineering & Modeling: dbt, Snowflake, Apache Spark, Apache Hive, Hadoop, MongoDB, Alteryx, Tableau Prep, ETL/ELT Pipelines, Data Modeling, A/B Testing

Cloud Platforms: AWS (S3, Redshift), Google Cloud Platform (BigQuery), Microsoft Azure (Synapse)

Developer Tools: Git, GitHub, Jira, Confluence, Slack

Work Experience

Data Analyst Co-op | Bright Mind Enrichment | Boston, MA   Sept 2025 – Dec 2025
- Reduced data preparation time by 60% by engineering automated ETL pipelines using RESTful APIs and Pandas to extract and consolidate program engagement metrics across 8+ U.S. locations into a centralized reporting layer
- Accelerated stakeholder decision-making by delivering 3 interactive Tableau dashboards tracking real-time program engagement KPIs, replacing static spreadsheet reports used by program managers across all locations
- Eliminated 10+ hours of weekly manual reporting by automating daily report generation and distribution using Python scheduling scripts, standardizing data delivery and improving consistency across teams

Data Analyst | Infosys Limited | Hyderabad, India   Aug 2021 – Aug 2023
- Maintained 99%+ inventory data accuracy for Williams-Sonoma retail operations by validating daily data pipelines in Oracle RMS, identifying and resolving missing and duplicate orders using PL/SQL and Oracle DB
- Reduced order error resolution time by authoring automated PL/SQL scripts to detect pipeline anomalies and data integrity issues, replacing manual inspection across daily production jobs for a 10-member team
- Resolved 100+ production support tickets as on-call inventory analyst, diagnosing root causes of order discrepancies and data population failures within Oracle RMS to maintain uninterrupted retail operations

Teaching Assistant | Northeastern University, College of Professional Studies | Boston, MA   Jan 2026 – April 2026
- Mentored graduate students across 7 analytics courses (SQL, Python, statistics, data mining, Spark, cloud analytics) via weekly office hours, translating complex concepts for technical and non-technical learners across 5 U.S. locations

Academic & Project Experience

Data Analyst, Capstone Project | CareEscapes AI | Boston, MA   Jan 2026 – April 2026
AI-powered dental tourism platform serving 10,000+ patients across 50+ countries
- Built a collaborative filtering recommendation engine using Matrix Factorization (SVD) via the Surprise library and Scikit-learn, generating personalized product analytics insights for 10,000+ users across 50+ provider networks
- Designed an A/B test framework to evaluate visit-to-booking conversion gaps using Python and SQL, delivering a Tableau dashboard tracking model performance and booking trends across 50+ provider networks

AI Engineer, Course Project | Pharmacy Assistant | Northeastern University   Apr 2025 – June 2025
Agentic AI system automating handwritten prescription interpretation and real-time pharmacy inventory management
- Engineered a LangGraph node-based reasoning flow (Parsing → Validation → Decision) constraining a GPT agent to parameterized SQL operations, eliminating hallucinations and unauthorized inventory queries
- Deployed the system as a live Gradio application on Hugging Face Spaces, enabling real-time prescription interpretation with structured drug name, dosage, and frequency outputs

Data Analyst, Integrated Experiential Learning | J Healthcare Initiative | Boston, MA   Jan 2025 – Mar 2025
NGO focused on reducing overdose deaths across the US and Canada through data-driven harm reduction
- Consolidated 100,000+ opioid overdose incidents (2023–2025) by building a Python and SQL pipeline to ingest CDC records via API, producing a clean dataset across 7 opioid types and 5 demographic groups
- Designed a multi-view Tableau dashboard consolidating a US geospatial heat map, demographic breakdowns, and risk factor comparisons to support NGO leadership clinic placement decisions