

# Purva Prakash Kekan

Boston, MA | 857.869.4863 | [kekan.p@northeastern.edu](mailto:kekan.p@northeastern.edu) | [linkedin.com/in/purva-prakash-kekan](https://www.linkedin.com/in/purva-prakash-kekan) | <https://purva-kekan.github.io/portfolio/>

## EDUCATION

**Northeastern University - Masters of Professional Studies in Analytics | GPA 3.93/4.0**

Mar 2025

**Relevant Coursework:** Big Data, Predictive Analytics, Enterprise Risk Management, Data Mining, Healthcare/Pharma Analytics

**Award:** "CPS Scholars and Leaders Award" - Awarded to top 1% graduate students for exceptional academic achievement and leadership

**Mumbai University - Bachelors of Science in Information Technology | GPA 3.70/4.0**

May 2023

**Relevant Coursework:** Database Management, Business Intelligence, Project Management, Python, Artificial Intelligence

## WORK EXPERIENCE

**IpsierLab, Remote, USA - Product Data Analyst**

May 2025 - Present

*A venture studio incubating early-stage startups, currently building a pre-launch AI travel-tech platform with a lean team of <20 focused on inclusive and safety-driven trip planning solutions*

- Designed **Excel dashboards** merging **10+ live data feeds** to monitor **traveler safety** and inclusivity, refining **50%** tracking efficiency
- Built **KPI** measuring **user trust** and satisfaction, enabling **20% faster updates** to tools supporting safe decision-making for **at-risk** groups
- Handled analytics across **40+ tasks**, improving **35% on-time completion**, ensuring timely rollouts of safety and **well-being** initiatives
- Led interdepartmental teams of analytics and engineering, to align **data-driven strategies** and **strengthen public health** during travel

**Boston Public Health Commission, Boston, USA – Data Analyst**

Jan 2025 – Mar 2025

*The nation's oldest health department with a \$300M+ budget and 1,200+ staff delivering healthcare, housing, and public safety programs across Boston*

- Processed **65K+ public health service records** in SQL and Python, ensuring **accurate SLA** and **compliance reporting** for city services
- Built **Power BI dashboards** with **geospatial mapping** to detect underserved communities **improving 25%** in targeted interventions
- Applied **SARIMA forecasting** model to predict service demand and stabilize high-volume areas, supporting equitable **resource allocation**

**KARA (Kids At Risk Action), Boston, USA – Data Analyst**

Apr 2024 – Jun 2024

*A U.S. nonprofit advocacy group dedicated to improving child welfare systems nationwide through research, awareness campaigns, and policy reform*

- Consolidated **1M+ child protective services** case records to improve national **child welfare reporting** accuracy by **40%**
- Designed **30+ compliance** and **billing** dashboards on **maltreatment trends** and fatalities, enabling advocacy and **funding campaigns**
- Built **predictive models** to flag **high-risk states**, driving **30%** more effective **interventions** and **prevention measures**

**Acute Bioscience, Remote, India - Data Analyst**

Jul 2022 – Dec 2022

*A medical equipment and life sciences supplier in India supporting nationwide hospital networks with large-scale healthcare inventory management*

- Managed **200K+ medical equipment inventory records**, improving **billing** and **stock visibility** with **25%** more actionable insights
- Developed R-based demand forecasting with **90% accuracy**, ensuring timely restoration, reducing **20% stockouts** on critical equipment
- Automated **SQL workflows** for **reporting** and **reconciliation**, cutting **35%** retrieval times and rising **financial compliance**

## PROJECTS

**Atomic Habits: Semantic Relationship Mapping - NLP Project**

Apr 2025 - May 2025

- Developed **NLP dashboard** using TF-IDF, **semantic clustering**, and network visualization to improve insight retrieval by **40%**
- Created **concept network** with PyVis and NetworkX to explore relationships between **50+ mental health** and **behavioral terms**

**Boston 311 Syringe Requests Healthcare Analytics Dashboard - BPHC**

Jan 2025 - Mar 2025

- Built **Power BI and ArcGIS dashboard** for **65K+ Boston 311** syringe service claims, integrating **API data** for **hotspot detection**
- Improved **claims tracking** and **reporting** by **25%**, supporting compliance, **denial trend monitoring** and timely intervention planning

## TECHNICAL SKILLS

- **Tools:** Power BI, Excel, dbt, Scikit-learn, Pandas, PySpark, TensorFlow, PyVis, NetworkX, Tableau, ArcGIS
- **Programming Languages:** SQL, Python, R