

# KAMLA KANT TRIPATHI

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## WORK EXPERIENCE

### Senior Data Analyst | PRA Group Inc., Norfolk, Virginia | 2019 – Present

- Working as a Sr. Data Analyst in Due Diligence / Pool Loading team of Data & Analytics department (2021).
- Worked as a **Data Science Engineer** on database migration for Bankruptcy and Data Acquisition departments; Automation of LCI bankruptcy data processing (2020).
- As a **Data Intelligence Engineer**, sundown the Business Object (BOBJ) reports and developed/moved reports in new CI/CD reporting system. Developed R-Shiny apps and PowerBI reports (2019).

### Summer Intern | CENTER FOR GEOSPATIAL VISUALIZATION COMPUTING, ITS, ODU | 2017 – 2018

- Developed an interactive 3-D web map application for “ODUOnline” department in summer 2017.
- Developed a website for GeoSEA – a subdivision of GeoVis Computing in summer 2018.

### Graduate Teaching Assistant | DEPARTMENT OF COMPUTER SCIENCE, ODU | 2017 – 2018

- Responsibilities included conducting recitations, monitoring exams, grading homework, and exams.

### Project Scientist | REMOTE SENSING APPLICATION CENTER-UP, LUCKNOW (city), INDIA | 2012 – 2013

- Worked end to end on a mapping project for two forest divisions.
- Applied image classification approaches to classify forest data using Erdas and ArcGIS software.

### Project Trainee Intern | IIRS-DEHRADUN, INDIAN SPACE RESEARCH ORGANIZATION, INDIA | 2011

- Received an appreciation certificate for contribution in a national importance project of Space Based Information Support System Decentralized Planning (SIS-DP).
- Satellite stereo data processing (IRS-P6/C1 data) & Ortho data generation Digital Elevation Model editing for Bihar state.

## EDUCATION

### Master of Science, Computer Science | OLD DOMINION UNIVERSITY | VIRGINIA | 2017 - 2018

- With focus in Data Science, Machine Learning, and Web Development; GPA 3.67

### Master of Science, Remote Sensing & GIS Applic'n | H.N.B. GARHWAL UNIVERSITY | INDIA | 2009 - 2012

- Thesis based on Hyperion data processing; (First division).

### Bachelor of Science, Mathematics and Physics | C. S. J. M. KANPUR UNIVERSITY | INDIA | 2006 – 2009

- Ranked 1<sup>st</sup> in 2006-09 batch of mathematics department; (First division).

## TECHNICAL PROFICIENCY

|                       |  |
|-----------------------|--|
| Open source tools:    | R, Python  |
| SQL Database:         | PostgreSQL, OracleSQL, SQLServer, Business Objects                 |
| Web Development:      | JavaScript (d3, Cesium, Vega-Lite), CSS, HTML                      |
| Data Visualization:   | PowerBI, Tableau, ggplot, matplotlib, D3.js                        |
| Schemas & CI/CD:      | Entity relationship modeling & Jenkins                             |
| Data cleaning/mining: | Pandas, OpenRefine / Weka  |
| Data analysis:        | Pandas, NumPy; scikit-learn; GIS, photogrammetry, image processing |
| Instruments:          | Spectro-radiometer (SVC HR 1024), Topo-mouse, GPS, Beacon          |
| Version Control:      | GitHub, GitLab   |
| Operating Systems:    | Linux, Windows   |
| Cloud:                | AWS  |