

Bishu Giri

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EDUCATION

Carnegie Mellon University (CMU) , Heinz College, Pittsburgh, PA Master of Science in Public Policy & Management – Washington D.C. Track CGPA: 3.88	09/22 - 05/24
Madras School of Economics, Chennai, India Master of Science in Applied Quantitative Finance CGPA: 8.8/10	07/13 – 06/15
University of Delhi, Dyal Singh College, India Bachelor of Arts in Economics Rank: 5 out of 29 students	06/09 – 05/12

SKILLS & COURSEWORK

Coursework: Sustainable Development, Tech Policy & Management, Impact Evaluation, Micro/Macro Economics, Management Science, GIS

Technical: Statistical Analysis, Machine Learning, Natural Language Processing (NLP), Visualization, Geo-spatial analysis

Programming: R, Python (Pandas, NumPy, scikit-learn, NLTK, Beautiful Soup), ArcGIS Pro/QGIS, SQL, Tableau, Excel, Stata

Languages: English (*Fluent*), Nepali (*Native*), Hindi (*Fluent*), Spanish (*A1*)

RELEVANT EXPERIENCE

Development Research Group, World Bank, Washington D.C., USA 09/23 – Present
[Designation: *Consultant* | Software used: *Stata, R, Excel* | Skills used: *Data Analysis, Logit/Probit Modeling, PCA, Writing*]

- Analyzed household survey data from 150+ countries to maintain a comprehensive database of global financial inclusion metrics
- Implemented statistical models, conducted descriptive analysis, and created impactful data visualizations to drive informed decision-making and publications

Heinz College, CMU, Pittsburgh, USA 06/23 – 05/24
[Designation: *Research Assistant* | Software used: *Python, Excel, ArcGIS Pro* | Skills used: *Data Analysis, NLP, Geo-spatial mapping, Writing*]
Project: Improving our Understanding of Illegal Opioid Supply Networks (*funded by the National Science Foundation*)

- Developed and implemented regex algorithms & topic modeling to extract and analyze price information from web data
- Designed different measures to understand the diffusion speed of fentanyl, compared to Meth and Heroin; built GIS animated map to understand drug diffusion across states over time.

University Communication & Marketing, CMU, Pittsburgh, USA 11/22 – 05/24
[Designation: *Data Analyst* | Software used: *Tableau, Google Analytics, Excel* | Skills used: *Data Extraction, Digital Analytics, Visualization*]

- Built brand positioning strategy to promote CMU; provide analytical insights on earned/owned/paid media by using data from Meltwater, Google Analytics, and social media; built Tableau dashboard for the leadership

Bridgei2i Analytics Solutions Pvt. Ltd., Bengaluru, India
(Currently part of Accenture, Applied Intelligence Team)
(Designation: *Project Manager*) 07/20 – 05/21
[Software used: *Python, R, PPT, SQL* | Skills used: *Client Presentation, Data analysis, Machine Learning, Management*]

- Led client meetings for prominent Fortune 500 companies, driving solution design leveraging **data-driven approaches**
- Mentored and guided an internal team in developing specialized training programs on **statistics and machine learning**, fostering sustainable professional development for employees in the technical domain
- As a team leader, I devised and executed a digitalization roadmap, automating reporting via **Qlik Sense dashboards**.

Employing an **SQL scheduler**, operations streamlined without manual intervention

(Designation: *Senior Analytics Consultant*)

04/18 – 06/20

(Software used: *Python, PySpark, Azure, SQL* | Skills used: *NLP, Data analysis, Machine Learning (Random Forest)*)

- Developed fraud detection model for auto insurance organization by applying **Natural Language Processing (NLP)**; significantly reducing claim investigation costs to 30% of manual investigation; Spearheaded **Python code** implementation for seamless model integration
- Enhanced dispatch rate for a leading Consumer Processed Goods (CPG) through the successful application of **Random Forest** for forecasting; achieved remarkable accuracy increase from 63% to 84%

(Designation: *Analytics Consultant*)

10/16 – 03/18

(Software used: *Python, R, Excel* | Skills used: *Data analysis, Forecasting, Panel data modeling*)

- Leveraged a robust **time series model (ARIMA & VAR)** to predict beer sales volume and employed a **mixed effect model** to identify the most effective marketing channel for promotions

(Designation: *Business Analyst*)

07/15 – 09/16

(Software used: *R, Excel, SAS* | Skills used: *Data analysis, Decision Tree models, Linear/Logistic Regressions*)

- Developed and deployed a **CHAID decision tree** model to optimize default case prediction for auto finance companies

LEADERSHIP & SERVICES

Naulo Ghumti, NGO, Nepal

07/21 – 08/21

- Encouraged parents to send their children to school and helped them understand the importance of education

MIMA, New Delhi, India

05/20 – 03/21

- Provided free tuition, reading materials, and stationery to the underprivileged children