**Dolma Rawat**  
Claremont, California • dolma.rawat@cgu.edu • [LinkedIn](https://www.linkedin.com/in/dolmarawat/)

**EDUCATION**

**Claremont Graduate University, Claremont, California** 2024–2025 (expected)  
Master of Science in Information Systems and Technology  
Concentration: Data Science & Analytics

* GPA: 4.0
* Relevant Coursework: Machine Learning, Database Systems, Predictive Modeling, Health Informatics, Decision Analytics, Natural Language Processing

**Ambedkar University Delhi, Delhi, India**  
Master of Arts in Development Studies  
Dissertation: An Inquiry into the High Incidence of Out-Migration from the Hilly Districts of Uttarakhand

**Sri Venkateswara College, University of Delhi, Delhi, India**  
Bachelor of Arts in History & Political Science

**FIELDS OF INTEREST**

Applications of Generative AI; Ethical and Human-Centered AI Feedback Systems; Data-Driven Public Policy; AI for Development; Health Informatics; Urban and Civic Tech; Migration and Labour Markets

**SKILLS**

**Programming & Analytical Tools:** Python (NumPy, pandas, matplotlib, seaborn, scikit-learn), R, STATA SQL, Tableau, Excel, ArcGIS, Git, Jupyter

**Machine Learning & Data Mining**: Supervised and Unsupervised Learning, Predictive Modeling, Logistic and Linear Regression, Decision Trees, Random Forest, XGBoost, Clustering (K-means, Hierarchical), Principal Component Analysis (PCA), Correlation and Multivariate Analysis, K-Nearest Neighbors, Feature Engineering, Cross-Validation

**Ethical AI & Human-Centered Design:** Prompt Engineering, Responsible AI Auditing, Ethical Impact Assessment (EIA), Fairness and Bias Detection, Inclusive Design, Human-in-the-Loop Systems

**RESEARCH AND PROFESSIONAL EXPERIENCE**

**BOMA Investments & World Merit** May 2025 – Present

*Summer Intern*

* Co-lead the design of an AI agent prototype to support project planning, course recommendations, and reflective team tools.
* Develop multimodal interfaces (web and WhatsApp) for accessible engagement in mobile-first and low-connectivity environments.
* Spearhead integration of Ethical Impact Assessment (EIA) to flag exclusionary language, cultural mismatches, and high-risk decisions.
* Conduct desk research and user behavior analysis to refine platform functionality and ensure compliance with ethical and community standards.

**Quantum Analytics Worldwide** Oct 2024 – Jan 2025*Data Science Intern*

* Conducted EDA on healthcare workforce data to identify performance gaps and inform strategic decisions.
* Built machine learning models (XGBoost, Random Forest) to assess workforce risks and optimize forecasting accuracy.
* Delivered reports with 15+ visualizations influencing client planning strategies.

**Claremont Graduate University – Ethical AI Hackathon** March 2025  
*Co-Lead Organizer and Workshop Leader*

* Co-led the Ethical AI Hackathon, guiding teams to build responsible chatbot systems for real-world use cases.
* Conducted workshop on crafting Ethical Policy Frameworks and Ethical Impact Assessments (EIA).
* Designed evaluation rubrics for chatbot behavior including inclusivity, accessibility, tone, and data privacy.
* Mentored teams in building AI tools aligned with stakeholder communication and planning workflows.

**Safe School Zone Program (IIT Delhi, HumanQind)** Dec 2023 – Feb 2024  
*Project Consultant*

* Analysed traffic and safety data for 11 schools, identifying risk zones and policy intervention points.
* Applied regression and spatial modeling to inform data-driven school safety planning.
* Developed reports that contributed to adoption of safer urban design protocols in Delhi.

**UNESCO, Social and Human Sciences Unit, New Delhi** Feb 2023 – Aug 2023  
*Youth Engagement & Empowerment Associate*

* Designed regional youth programs engaging participants in climate justice and civic research.
* Authored policy briefs addressing communication equity, labor inclusion, and AI's civic role.
* Supported proposal writing and donor communications to sustain youth-driven impact initiatives.

**ADDITIONAL EXPERIENCE**

**Claremont Graduate University – CISAT** Oct 2024 – Present  
*Program Assistant*

* Managed partner mapping for grant outreach and global collaborations.
* Led updates for departmental web presence and created outreach materials.
* Coordinated the launch and development of the AI for Humanity Lab.
* Built multi-institutional partnerships for AI ethics research projects.
* Led donor landscape analyses and grant strategy.

**The Global Education and Leadership Foundation (tGELF)** Sep 2023 – Feb 2024  
*Associate, Special Projects*

* Conducted policy research on youth leadership, entrepreneurship, and educational access.
* Created knowledge resources used across 10+ programs.
* Drafted annual impact reports for internal planning and donor transparency.

**SELECTED TRAINING & WORKSHOPS**

* Introduction to GenAI in Evaluation and Capacity Building – The Evaluators’ Institute, 2025
* Gender Equality Marker Training – UN Women Asia Pacific Regional Office (in collaboration with the Gender Task Team and RCO India), 2024

**SELECTED PROJECTS**

**Ethical AI Hackathon and Evaluation Rubric**

* Guide interdisciplinary participants on prompt engineering, equity-centered AI design, and ethical communication frameworks.
* Develop tools to surface risks in AI-generated messaging, enhancing user awareness and institutional trust
* Co-design an evaluation rubric to assess AI chatbot performance across ethical, safety, and inclusivity dimensions.

**Healthcare Risk and Cost Forecasting Model**

* Built machine learning models to estimate sickness and treatment-related costs using healthcare and demographic data.
* Generated predictive insights to inform provider strategy, early intervention planning, and cost optimization.
* Leveraged ensemble algorithms (e.g., Random Forest, XGBoost) and model interpretability tools to enhance stakeholder trust and adoption.

**Student Loan Default Risk Modeling**

* Developed a predictive classification model to identify students at risk of defaulting on education loans within one year of repayment.
* Used academic, demographic, and contextual indicators to model 'NoPaymentDue' as a proxy for financial risk; applied decision trees, random forest, and logistic regression.
* Balanced accuracy, interpretability, and defensibility to ensure the model met technical standards and business stakeholder expectations for early intervention and policy application.

**PUBLICATIONS** (Non-Academic: Policy Commentary, Op-Eds, and Applied Reports)

* Rawat, D. (2021). NREGA: Historical Overview, Relevance and Challenges. Public Policy India.
* Rawat, D. (2021). *Tourism and Waste in Uttarakhand*. Social Development for Communities, Uttarakhand
* Rawat, D. (2022). Evaluating the National Food Security Act. Public Policy India.

**AWARDS & FELLOWSHIPS**

* CISAT Departmental Merit Fellowship, Claremont Graduate University (2024–2025)
* Merit Scholarship, Ambedkar University Delhi (2021–2022)