

KHUSHBOO ASHRA

RESEARCH ANALYST | ECONOMIC & SUSTAINABILITY ANALYTICS

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SUMMARY

Research Analyst with experience in **economic policy evaluation, sustainability analytics, and quantitative modelling** across emerging market contexts. Skilled in **regression analysis, PLS-SEM, stakeholder research, and structured data interpretation**. Experienced in delivering **evidence-based insights, sector analysis, and policy impact assessments**. Proficient in **Python, R, Tableau, and BigQuery** for data analysis and visualization.

COMPETENCIES

Economic & Sector Research, Policy Impact Assessment, Quantitative & Qualitative Analysis, Regression & Structural Modelling, Stakeholder & Market Analysis, Sustainable Finance & Climate Analytics, Research Reporting & Insight Generation, Data Visualization & Dashboarding

RESEARCH METHODS AND TECHNICAL SKILLS

- Economic & Policy Methods:** Survey Design, Policy Evaluation, Regression Analysis, PLS-SEM, Hypothesis Testing, Qualitative Thematic Analysis
- Software/Programming Languages:** Tableau, BigQuery, Python, R, SmartPLS, Microsoft Office, Advanced Excel

RESEARCH EXPERIENCE

Research Assistant, Business Economics, Maharaja Agrasen College, University of Delhi

Nov 2024-Nov 2025

- Conducted **mixed methods research** under a Ministry of Education research project sponsored by the **Indian Council of Social Science Research (ICSSR)**, examining sustainable agriculture, agritech innovation, and policy effectiveness in India.
- Performed policy and literature review, **designed questionnaires based on the Unified Theory of Acceptance and Use of Technology (UTAUT)**.
- Collected primary data** from the stakeholders belonging to different parts of India using interviews, group discussions and schedules.
- Analyzed the primary data using **PLS-SEM** (Partial Least Squares - Structural Equation Modelling) method and the secondary data using the **Matrice d'Impacts Croisés Multiplication Appliquée à un Classement (MICMAC) analysis** to identify structural policy barriers.
- Prepared the project report titled, "Assessing the potential of Agritech start-up ecosystem for young innovators in India: Prospects and Challenges in the Wake of Government Initiatives".
- Led the research team of 4 members and facilitated the research right from scratch
- Organised an international conference** on Agriculture 4.0 and Sustainable Farming to foster a policy research dialogue among various stakeholders.
- Contributed 2 book chapters (Forthcoming) and 2 research papers (under review)**, providing policy recommendations for the regulatory bodies and implications for the agritech startups.

Instructor, Coding and Math, Whitehat Ed. Technology

Sep 2020-Apr 2024

- Delivered structured instruction in **block programming (JavaScript)** and **quantitative reasoning** to international students (**US, India, Australia**).
- Simplified complex technical concepts into structured learning modules**, strengthening **analytical communication** skills.

- Collaborated with curriculum development teams to refine learning frameworks and instructional design.
 - Maintained consistent **5/5 performance rating** through **stakeholder (parent) engagement** and **outcome-driven delivery**.
 - Participated in Hackathons and regular teacher development training including the, "Leader of Learning Experiences by Intel".
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EDUCATION

Master of Commerce University of Delhi <ul style="list-style-type: none">• Major in Finance• Final CGPA: 7.52/10	Aug 2022-Jun 2024
Bachelor of Commerce (Hons) University of Delhi <ul style="list-style-type: none">• Final CGPA: 8.554/10	Aug 2018-Jun 2021

PROJECTS AND PUBLICATIONS

Journal Articles:

- Prof. Pratibha Rai, A Jiran Meitei, Sonali Chadha; **Khushboo Ashra**, "Explaining Greenhouse Gas Emission Drivers Across Developed and Developing Economies: Evidence from an Explainable Machine Learning Framework (Under Review)
- Dr. Rashmi Goel, Ms. Simona Dutta, **Ms. Khushboo Ashra**, " Financial Transformation: A Comparative Analysis of Axis Bank and Citibank Pre and Post Acquisition Through Financial Modelling." (*Under review*)
- Ms. Simona Dutta, **Ms. Khushboo Ashra**, "Can a modified UTAUT explain youth adoption of sustainable investment when asset-specific perceptions are considered? - Evidence from India" (*Under Review*)

Book Chapters:

- **Khushboo Ashra**, "From Sustenance to Enterprise: Leveraging Entrepreneurship, Policy and Incubation for a Profitable Indian Agricultural Sector" (*Accepted, Forthcoming*).
 - Ms. Simona Dutta, **Ms. Khushboo Ashra**, "Policy Innovations for Viksit Bharat: Insights, Challenges and Strategic Pathways" (*Accepted, Forthcoming*).
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TRAININGS AND CERTIFICATIONS

- **Google Data Analytics Professional Certificate**
 - **UGC-NET** University Grants Commission Qualified for Assistant Professor and Ph.D. with a 98.4716621 percentile in Commerce
 - AICTE Training And Learning (ATAL) Academy Faculty Development Program on Innovating Agritech for **Sustainable Tomorrow: Aligning with SDG Goals**
 - Faculty Development Programme on **Questionnaire Development and Data Analysis with R**
 - Green, Social and Sustainability Bonds: **Sustainable finance solutions for emerging markets** by The World Bank
 - Asset Management Job Simulation by JP Morgan Chase Corporate Finance: Environmental, Social and Governance(ESG) by LinkedIn Learning
 - **Statistics Fundamentals** by Corporate Finance Institute
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PERSONAL DETAILS

- Date of Birth: 21 June 2000
- Languages: English, French, Hindi, Punjabi
- References available on request