Dr Sofia Khan

Assistant Professor, Vivekananda Global University, Jaipur, Rajasthan.

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Location: Jaipur, Rajasthan, India

Summary

A dynamic academic and researcher specializing in finance, accounting, and digital automation technologies, with a Ph.D. in Business Administration and Management focused on the adoption of Robotic Process Automation (RPA) in universities. Combines analytical, technological, and strategic expertise to explore how automation transforms financial and academic management systems. UGC-NET qualified and CFA Level I Passed & CFA Level II passed, with strong expertise in investment analysis, portfolio management, financial modeling, and valuation. Demonstrates analytical precision, ethical rigor, and data-driven decision-making consistent with global CFA standards. Applies financial principles to research and teaching, integrating quantitative analysis, risk management, and fintech applications to bridge theory with real-world investment practice. Demonstrates a consistent record of publications in Scopus-indexed, Web of Science, ABDC, and UGC-CARE journals, along with international conference presentations and book chapters on finance, automation and sustainable digital transformation. Experienced in coordinating and co-chairing academic sessions at international conferences, fostering scholarly dialogue on artificial intelligence, fintech, and sustainability. Dedicated to promoting experiential and technology-driven learning, integrating finance, data, and innovation to enhance management education and institutional performance.

Educational Qualifications

Degree	Institution	Year	Details
Chartered Financial Analyst (CFA) Level 2	CFA Institute, USA	2023	Passed Level 2 CFA
Chartered Financial	CFA Institute, USA	2023	Passed Level 1 CFA

Analyst (CFA) Level 1			
Ph.D. in Management and Commerce on Robotic Process Automation in Universities	Manipal University Jaipur	2021 - 2024	Research Focus: RPA Adoption in Education Sector
UGC NET (Commerce)	NTA UGC NET	2020	Qualified
Master of Commerce (M.Com – Financial Analysis)	Manipal University Jaipur	2019 - 2021	CGPA: 9.725/10, Gold Medallist
Diploma- ASP.NET (C#)	Banasthali Vidyapith, Rajasthan	2018-2019	Distinction
Bachelor of Commerce (B.Com)	Banasthali Vidyapith, Rajasthan	2016 - 2019	Marks Obtained: 74%

Experience

Assistant Professor, Vivekananda Global University, Jaipur
June 2025 – Present

- Deliver postgraduate(MBA) courses in Financial Engineering, Financial Analytics, International Finance, Managerial Economics, Financial Management, Research Methodology integrating real-world financial modelling and data analytics.

- Mentor postgraduate students in research on Robotic Process Automation, FinTech, Financial investments, financial mathematics, statistics and sustainable finance, fostering innovation-driven academic excellence.

- Guide Transdisciplinary Projects for students of various departments.

- Coordinated and co-chaired multiple international conferences, facilitating scholarly dialogue on automation, ethics in AI, and management sustainability.

Certifications and Qualifications

- UGC NET (Commerce) – Qualified (2020)
- CFA Level 1 – Passed (2023)
- CFA Level 2 – Passed (2025)

Technical Skills

- **Programming Languages:** C, C#, Java, Python
- **Web Development:** ASP.NET, UiPath
- **Database Management:** MySQL
- **Software & Tools:** NetBeans, Visual Studio, UiPath Studio, Microsoft Excel, PowerPoint

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Certifications

Name	Organization	Completion Date	Details
Applied Fixed Income	LinkedIn Learning / National Association of State Boards of Accountancy (NASBA)	2025	**Course:** *Applied Fixed Income* **Field of Study:** Finance **CPE Credits:** 6.00 **Skills:** Finance, Fixed-Income Investing
Financial Modeling Foundations	LinkedIn Learning / National Association of State Boards of Accountancy (NASBA)	2025	**Course:** *Financial Modeling Foundations* **Field of Study:** Finance **CPE Credits:** 5.80 **Skills:** Financial Modeling
Introduction to Business Valuation	LinkedIn Learning / National Association of State Boards of Accountancy (NASBA)	2025	**Course:** *Introduction to Business Valuation* **Field of Study:** Finance **CPE Credits:** 5.40 **Skills:** Business Valuation
Python and Statistics for Financial	The Hong Kong University of Science and Technology / Coursera	2025	**Course:** *Python and Statistics for Financial Analysis*

Analysis			
Global Financial Markets and Instruments	Rice University / Coursera	2025	**Course:** *Global Financial Markets and Instruments*
Internship: Robotic Process Automation	Internshala Trainings	2023	Completed a 6-week online training.
Internship: Financial Modelling & Valuation	Internshala Trainings	2020	Completed a 6-week course, ranked 3rd in a BTC Stock Simulation Game.
Summer Internship: Inventory Management Project	Tempo Paper Pulp & Packaging Ltd.	2018	Developed and executed an inventory management project, enhancing operational efficiency.

List of Paper Publications in Referred Journals

Sl. No.	Title of the Paper	Name of Journal	Year of Publication/Volume Number & Page Nos.	Indexed Journal/Impact Factor
1	Fintech in Investment Management for Modern Entrepreneurs	Academy of Entrepreneurship Journal	2022	Research Gate, Google Scholar, Publons, DOAJ,

				Academia
2	Robotic Process Automation (RPA) in the Aviation Sector (Book Chapter)	Global Air Transport Management and Reshaping Business Models (IGI Publisher)	2022	Scopus indexed
3	Application of Robotic Process Automation (RPA) for Supply Chain Management, Smart Transportation, and Logistics	International Journal of Health Sciences, 6(S3)	2022	Google Scholar, PubMed, PubMed Central (PMC), WoS, DOAJ, BASE
4	Application of Robotic Process Automation in Education Sector	Journal of Information and Optimization Sciences (JIOS-T-1254)	2022	WoS, ABDC, Google Scholar, INSPEC
5	Application of RPA in Human Security Systems in Smart Cities (Book Chapter)	Application and Adoption of Robotic Process Automation for Smart Cities (IGI Publisher)	2023	Scopus Indexed
6	Does Robotic Process Automation Will Shift Examination Process of the Universities in the Future? (Book Chapter)	Sustainable Innovations in Management in the Digital Transformation Era (Scopus indexed)	2024	Scopus Indexed
7	Role of Robotic Process Automation and Navigation System in Transport Sector	Journal of International Journal of Intelligent Systems and Applications in Engineering	2024	Scopus (Q3), Research Gate, Google Scholar, ESJI, OAJI

8	Role of Adopting Robotic Process Automation (RPA) in the Medical Sector	The Indian Journal of Commerce	2024	UGC CARE Group II
9	Sustainable Development Practices for Adoption of Robotic Process Automation (RPA) at the Universities	Journal of Interdisciplinary Knowledge	2025	Web of Science Research Commons, Google Scholar
10	A Hybrid Fractional Artificial Neural Network Model for Value at Risk Prediction in Emerging Financial Markets	Journal of Interdisciplinary Knowledge	2025	Web of Science Research Commons, Google Scholar
11	Stock Price Forecasting of the NIFTY-50 Index Using Feedforward Artificial Neural Networks with Technical Indicators	Journal of Interdisciplinary Knowledge	2025	Web of Science Research Commons, Google Scholar

Conference Presentations

No.	First Author	Co-authors	Name of the Conference	Organizing Institute	Date(s)	Title of the Paper Presented	Oral/Poster	Status
1	Sofia Khan	Dr R.K Tailor	National Conference on Recent Trends and Development in Modern Business Strategies	IARA Jaipur	2021	Role of AI in Agriculture Sector and Food Sector	Oral	National
2	Sofia Khan	Dr R.K Tailor	Sustainable Business: Revisiting management practices	Faculty of Management and Commerce, Manipal University Jaipur, Rajasthan, India	2021	RPA in Business	Oral	International
3	Sofia Khan	Dr R.K Tailor, Ranu Pareek	Technology Changes Future	Sakarya University of Applied Sciences, Sakarya,	2022	Application of RPA in Education Sector	Oral	International (BEST PAPER AWARD)

				Turkey, Tradepreneur Global Academic Platform, UK				
4	Sofia Khan		The Impact of Accounting and Finance on the Development of Economic Processes	Berehove, Transcarpathian region, Ukraine	2022	-	Participated	International
5	Sofia Khan	Dr R.K Tailor	Economic Trend and Management	MLSU, Udaipur, India	2022	Role of RPA in Economic Development	Oral	International
6	Sofia Khan	Dr R.K Tailor	Annual Conference of Indian Commerce Association & International seminar	Dr Babasaheb Ambedkar Marathwada University, Aurangabad & MGM University, Aurangabad	2023	Adoption of RPA in Operational Activities of Universities	Oral	International
7	Sofia Khan	Dr R.K Tailor	Emerging Technologies and Circular	Apeejay School of Management, Dwarka,	2023	Functionality of Learning Managemen	Oral	International

			Economy	Delhi, India		t System (LMS) with Robotic Process Automation (RPA) in the Universities		
8	Sofia Khan	Dr R.K Tailor	Sustainable Innovations in Management in the Digital Transformation Era (SIMDTE)	University of Technology Bahrain	2023	Does Robotic Process Automation Will Shift Examinatio n Process of the Universities in the Future?	Oral	International
9	Sofia Khan	Dr R.K Tailor	Annual Conference of Indian Commerce Association	Delhi School of Economics, University of Delhi	2023	Robotic Process Automation and its Impact on Employee's Performanc e in the Universities	Oral	National
10	Sofia Khan	Dr R.K Tailor	Accounting and Taxation -	KLE Society's	2023	Adoption of Robotic	Oral	National

			Recent Trends, Amendments and Future Scope	Science & Commerce College, Affiliated to University of Mumbai		Process Automation Academic Management in Universities		
11	Sofia Khan	Dr R.K Tailor	Annual Conference of Indian Commerce Association	Delhi School of Economics, University of Delhi	2023	Robotic Process Automation and its Impact on Employee's Performance in the Universities	Oral	National
12	Sofia Khan	Dr R.K Tailor	Azadi Ka Amrut Kaal, Bharat: Building Better Country with Artificial Intelligence	K. M. Agrawal College of Arts, Commerce and Science, Affiliated to University of Mumbai	2024	Adoption of RPA in Healthcare Sectors	Oral	National
13	Sofia Khan	Dr R.K Tailor	Shaping Up the Future: Trends and Opportunities in Commerce Beyond Curriculum	Kadi Sarva Vishwavidyalaya (Managed by Sarva Vidyalaya Kelavani Ma	2024	Adoption of RPA in the Universities	Oral	National

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14.	Dr. Sofia Khan	-	Sustainability, Innovation, Practices and Advancements in Management (SIPAM 2025)	Faculty of Management, Vivekananda Global University, Jaipur	2025	*Enhancing University Learning Management Systems through Robotic Process Automation: A Strategic Framework for Automation and Efficiency*	Oral	Presented Paper
15.	Dr. Sofia Khan	—	International Faculty Development Program on "Emerging Research and Innovations in AI Applications in Mathematics, Bio-Sciences, and Management"	Department of Mathematics, NIET, NIMS University, Jaipur	2025	*Emerging Research and Innovations in AI Applications in Mathematics, Bio-Sciences, and Management*	FDP	Completed
16.	Dr. Sofia Khan	Mohammad Saif, Nikhil Sharma	International Conference (Global Academic Association, Southampton, UK)	Global Academic Association (UK), Sakarya University of Applied Sciences (Turkey), Sardar Beant Singh State University (India)	2025	*Sustainable Development Practices for Adoption of Robotic Process Automation (RPA) in Universities*	Oral	Presented

Membership

- Affiliate Member of Chartered Financial Analyst Institute (CFAI) and CFA Society India
- Life Member of Indian Commerce Association (ICA)

- Life Member of Indian Academic Research Association (IARA)

Patent

National Patent on "ROBOTIC UNIVERSITY MANAGEMENT SYSTEM".

Contributions

- **Session Coordinator & Paper Presenter, International Conference on Sustainability, Innovation, Practices and Advancements in Management (SIPAM 2025)** – Organized by the *Faculty of Management, Vivekananda Global University, Jaipur* on **June 27–28, 2025**. Coordinated and facilitated technical sessions, ensuring seamless paper presentations and scholarly interactions. Presented a research paper titled *"Enhancing University Learning Management Systems through Robotic Process Automation: A Strategic Framework for Automation and Efficiency."* The paper emphasized strategic integration of RPA in academic systems for improved operational efficiency and sustainable digital transformation.

- **Co-Chairperson, International Conference on Multidisciplinary Studies (InTraders 2025) –** Held on 27–28 October 2025 at Sakarya University, Türkiye, in collaboration with International Balkan University (North Macedonia), Women in Science Network (North Macedonia), and other global partners. Co-chaired Technical Session II titled *"Ethical Issues of Artificial Intelligence on Multidisciplinary Studies."* The session involved research presentations from international scholars on topics spanning artificial intelligence, digital transformation, and social media analytics, where I guided academic discussions and ensured critical, inclusive engagement among presenters.

- **Co-Chairperson, International Conference (Global Academic Association, Southampton, UK) – Held on 13–14 September 2025**, jointly organized by Sakarya University of Applied Sciences (Turkey) and Sardar Beant Singh State University (India). Recognized with a Certificate of Appreciation for outstanding leadership in moderating and guiding the technical session. The contribution was commended by the conference

organizers for professional excellence, academic insight, and effective facilitation of scholarly exchange

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Personal Information

- **Date of Birth:** 10th October 1998

- **Languages Known:** English, Hindi

- **Hobbies:** Studying, Singing, Drawing.

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