

CURRICULUM VITAE

Sanjoosh Akkineni

AI & Learning Analytics Executive | Ph.D. Candidate

 sanjoosh@outlook.com |  www.sanjoosh.com |  [linkedin.com/in/sanjoosh](https://www.linkedin.com/in/sanjoosh)

Professional Summary

Strategic data and AI leader with a track record of driving cross-functional initiatives across emerging tech, analytics, and institutional change. At Kennesaw State University, I served as Director of Learning Analytics and Lead Data Scientist, leading uHoo Analytics an award-winning platform adopted by 500+ faculty and recognized with the 2024 Platinum EdTech Award. Trusted by executive leadership to deliver OKR dashboards, accreditation-aligned insights, and data strategies that shaped institutional decisions. Skilled in Power BI storytelling, Azure-based architecture, and stakeholder engagement across HR, IT, and academic affairs. Experienced in FERPA-compliant governance, SACSCOC standards, and predictive modeling for student success. Deeply familiar with Microsoft Learn content across Copilot, Responsible AI, and Azure, with ongoing advanced training and implementation.

EDUCATION

2017-2026 (ABD)	Ph.D. in Analytics and Data Science, Kennesaw State University, USA
2015-2017	Master of Science in Computer Science, Kennesaw State University, USA
2010-2015	Bachelor of Technology in Computer Science & Engineering, Jawaharlal Nehru Technological University, India

PROFESSIONAL EXPERIENCE

Aug 2021- May 2025 Lead Data Scientist | Functional Director of Learning Analytics, KSU

Functioned as Director of Learning Analytics while serving as Lead Data Scientist, partnering with senior leadership to lead strategic AI and data initiatives that enabled cross-functional execution and institutional decision-making.

- Spearheaded uHoo Analytics, an award-winning AI-powered analytics platform (Platinum EdTech Award, 2024), adopted by 500+ faculty and advisors to improve curriculum design, advising, and undergraduate success.
- Designed scalable architecture using Microsoft Azure Synapse and Power BI, integrating data from D2L Brightspace, Banner, and CRM platforms to generate real-time insights aligned with OKRs, accreditation (SACSCOC), and AI governance.
- Delivered monthly executive dashboards to the Provost and President, incorporating Responsible AI principles and driving strategic decisions in instruction, retention, and academic equity.
- Applied ML models to surface instructional and student risk patterns; collaborated with advising and academic affairs on

interventions that closed engagement gaps and improved learning outcomes.

- Co-developed and enforced FERPA-compliant, ethics-centered analytics governance, shaping data policy across KSU's academic technology stack.
- Led multi-stakeholder analytics strategy with Institutional Research, IT, HR, Curriculum, and Student Success, uniting siloed systems under one Azure ecosystem.
- Played a key role in KSU's Microsoft Copilot and Azure OpenAI pilots, contributing to prompt engineering, use-case development, and faculty training.
- Delivered 30+ workshops and created branded assets to strengthen data literacy and evidence-based pedagogy among faculty and staff.
- Provided foundational architecture and stakeholder-informed dashboard frameworks for future Power BI deployments across advising, HR, and research teams.

Accreditation & Institutional Effectiveness Highlights:

- Designed internal reporting systems aligned with SACSCOC and USG policy, enabling transparent, scalable assessment models applicable to global research institutions.
- Partnered with academic departments and student success teams to generate data-driven insights on curriculum efficacy, retention, and equity outcomes.
- Contributed to strategic planning and legislative briefings through benchmarking dashboards and accreditation-aligned impact reports.
- Supported university-level initiatives by synthesizing KPIs into actionable analytics for institutional effectiveness and student success.

Jan 2025- Present

OpenAI Forum Leader, OpenAI.

Facilitate AI thought leadership across education, business, and technology through community engagement and technical insight.

- Lead strategic roundtables focused on AI's societal impact, ethics, and real-world application using OpenAI tools and platforms.
- Empower professionals across industries to ideate and prototype AI-driven solutions through structured community discussions.
- Promote inclusive and high-engagement environments, translating emerging AI concepts into actionable use cases.
- Recognized by OpenAI for strong communication, technical acumen, and the ability to bridge strategic thinking with practical execution.

- Jun 2019- May 2020 Senior Data Scientist – Healthcare Risk & AI Strategy, MagMutual.
- Developed machine learning models to reduce liability risk and improve physician safety for one of the nation's leading healthcare liability insurers.
- Built predictive models to classify claim severity and identify high-risk patterns in unstructured healthcare data.
 - Collaborated with data engineers, clinicians, and legal teams to ensure responsible data use and model interpretability in a regulated clinical environment.
 - Delivered insights that supported actionable safety protocols, contributing to patient safety and operational improvements.
- Sep 2018- May 2019 Lead Data Scientist – Global Workforce & People Analytics, Novelis.
- Led HR analytics initiatives to drive workforce retention and performance optimization at a global aluminum manufacturer.
- Designed executive dashboards and built HR data models to track attrition, training ROI, and performance trends.
 - Identified root causes of turnover and proposed strategic solutions tied to workforce planning and development.
 - Translated raw workforce data into insights that directly supported executive decision-making.
- Jul 2017- Sep 2018 Applied AI Scientist – Innovation Lab, Equifax.
- Supported the Data & Analytics Innovation team in developing next-generation modeling solutions across credit, fraud, and marketing domains.
- Engineered machine learning models for credit scoring using big data pipelines and advanced feature engineering.
 - Designed and tested deep learning architectures to improve fraud detection and customer identity resolution.
 - Authored technical documentation and collaborated across teams on process optimization and data infrastructure improvements.
- Aug 2015 – Jul 2021 Graduate Fellow, Institutional Research, Kennesaw State University
- Supported institutional analytics, student affairs, and cross-functional academic initiatives during graduate studies. Led applied research projects, advanced student retention efforts, and held leadership roles impacting university policy and student engagement.
- Directed multi-year applied research projects using survey design, focus groups, and statistical analysis to deliver actionable insights for executive leadership.
 - Elected President of the Graduate Student Association, representing over 5,000 students and serving as a delegate to the

University System of Georgia Board of Regents. Advocated for policy change, funding, and data transparency.

- Built and scaled the International Peer Leader Program (IPLP), improving international student retention through targeted onboarding and mentorship strategies.
- Provided instructional support in undergraduate computer science courses (C++, Data Structures), mentoring students and supporting foundational technical skill development.
- Collaborated with stakeholders across institutional research, academic affairs, and student success to align analytics initiatives with broader organizational goals.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Member - 1EDTECH MEMBERSHIP 2023
- Member - University Professional and Continuing Education Association(UPCEA) 2023
- Member - Society for Learning Analytics Research (SoLAR) 2022
- Member - Institute for Operations Research and the Management Sciences(INFORMS) 2018
- Member - Robotics & Automation Society 2017
- Member - IEEE Computer Society(IEEE-CS) 2016
- Member - Association for Computing Machinery(ACM) 2016

HONORS, AWARDS, AND FELLOWSHIPS

- Awarded the Platinum Award (Top EdTech Award) for the uHoo Analytics project at the Learning Impact Conference, 2024, Salt Lake City, USA.
- Awarded Outreach/Impact Award 2020 from United Nations Sustainable Development Goals Ambassador program, UNITAR, 2020.
- 1st Place in Computing Showcase (C-Day) for Graduate Research Category, 2019, College of Computing and Software Engineering (CCSE), Kennesaw State University, USA.
- 3rd Place in KSU Analytics Day for Graduate Student Research Poster, 2018, Kennesaw State University, USA.
- Udacity Google Developer Challenge Scholarship, 2018, Udacity, USA.
- Student of the Year - Division of Student Affairs, Kennesaw State University 2017, USA.
- Graduate Student Involvement Award - International Student Association, Kennesaw State University 2017, USA.
- Awarded “Mr. Farewell” title in a department level event, 2014, India.
- College Top in C Language 98% Theory and 100% Lab, Bachelor of Technology in Computer Science & Engineering, 2011, India.
- Elected as class representative in college for two consecutive years, India.

TEACHING, SUPERVISION, & MENTORING

Co-led faculty development sessions on learning analytics, assessment strategies, and interpreting outcomes dashboards, enabling evidence-based teaching across disciplines.

Trained and supervised graduate assistants and student workers in data analysis, FERPA compliance, and data governance building institutional data capacity aligned with Microsoft's Responsible AI principles.

Graduate Teaching Assistant (2015), Kennesaw State University – Supported undergraduate instruction in C++ and Data Structures; facilitated collaborative programming projects and peer learning.

Volunteer Mentor, International Rescue Committee (IRC) – Provided language and cultural mentorship to refugee youth and young adults, promoting equitable access to education and support.

Trainer, Lost-n-Found Youth (Atlanta Sisters of Perpetual Indulgence) – Delivered professional development programming for LGBTQ+ homeless youth, focusing on tech skill-building and career resilience.

Programming Board Member, StartOut – Design and deliver entrepreneurship programs amplifying the voices of LGBTQ+ innovators, fostering economic empowerment and inclusive storytelling.

RESEARCH AND CREATIVE ACTIVITY

PUBLICATIONS/PRESENTATIONS

uHoo Analytics: Unlocking Faculty Potential, Learning Impact Conference, Salt Lake City, June 2024, presentation.

Automated Learning Analytics for Institutional Effectiveness and Student Success, UPCEA Conference, Boston, March 2024, presentation.

Faculty as Learning Scientist: Employing Sustainable Course Design and uHoo Analytics to Improve Student Success, USG Teaching & Learning Conference, April 2024, workshop presentation.

Using HR Analytics to Support Managerial Decisions: A Case Study. Proceeding in The Annual ACM Southeast Conference 2020. DOI: <https://doi.org/10.1145/3374135.3385281>

"Genetic Algorithm Guidance of a Constraint Programming Solver for the Multiple Traveling Salesman Problem", Journal of Optimization Theory and Applications; (Under Review).

Low Emission Bus Route Optimization (LEBRO): UN-SDG Student Leaders in the Covid-19 context, UNITAR 2020, virtual panel discussion.

Using HR Analytics to Support Managerial Decisions: A Case Study, ACM southeast conference, Tampa, April 2020, plenary session.

Addressing Drug Counterfeit by Blockchain Drug Traceability, Computing Showcase (C-Day), Kennesaw State University, Fall 2019, poster.

An Optimized Route for Q100's Bert and Kristin to visit all Jersey Mike's Subs in Atlanta for Charity, INFORMS Annual Meeting, Phoenix, November 2018, plenary session.

Community Crime Prevention Strategy, Linear Ridge and LASSO regression models, Computing Showcase (C-Day), Kennesaw State University, 2017, poster.

Vehicle Number Plate Identification using neural network model for Android application, Computing Showcase (C-Day), Kennesaw State University, 2016, poster.

PROFESSIONAL SERVICE

KENNESAW STATE UNIVERSITY

- Member – AI Steering Committee, Kennesaw State University, 2024-present.
- Advisor – Graduate Student Association 2024-present.
- Senator – Staff Senate Kennesaw State University 2023-present.
- President – Analytics and Data Science Organization(ADSO) 2019-2021.
- Distinguished UN-SDG Ambassador - United Nations Institute for Training and Research(UNITAR) 2020 – present.
- Committee Member Over-reliance on Public Funds- President's Transition Task Force Student Representative(PTTF) 2017
- President - Graduate Student Association(GSA) 2016/18
- Senator - Graduate College SGA 2016/17
- Treasurer - IEEE Computer Society(IEEE-CS) 2016/17
- Secretary - Robotics & Automation Society 2017
- Graduate Representative – Student Activities Budget Advisory Committee (SABAC) 2017
- Peer Leader - International Orientation for 2 years (2016/17)
- Member - Golden Key International Honor Society 2016/17
- Voting Member - Graduate Policies and Curriculum Committee (GPCC) 2016/17
- Voting Member - Graduate Council 2016/17
- Voting Member - Global Learning Fee Committee(GLFC) 2016/17
- Member - International Student Association(ISA) 2015/17
- Member - Association for Computing Machinery(ACM) 2016/17
- Member - GLBTIQ Student Program 2016/17
- Member - Office of Student Advocacy 2016/17
- Graduate Student Representative - Graduate Student Association(GSA) 2015/16
- International Representative - Student Activities Budget Advisory Committee (SABAC) 2015/2016
- Golden Key International Honor Society Member, 2016, USA.

University:

- Joint-Secretary(2013) & Treasurer(2014) of CS department magazine “PICSEL” & AsCI(Association of Computer Intellects), Undergrad, India.
- Elected as class representative in college for two consecutive years, India.

Other institutional service:

- Suwanee Police Department Citizens Police Academy, Suwanee, Georgia, 2019.
- Law Enforcement Training, Citizens Police Academy, KSU Police Department 2017.

THE PROFESSION

Service to Professional Association: Formed a new organization “Analytics and Data Science Organization” to build an integrated support system for students in data science field and to aid them in their academic pursuits as they balance the roles typical of graduate and professional students and to provide travel funding for conferences, workshops, informational sessions, and networking events.

THE COMMUNITY**Professionally Related Service to the Community:**

- Mentoring young women and non-binary students as they step into their first careers, BUILT BY GIRLS.
- Volunteered for Data Science Connect as a Director of Operations, hosting some of the most well-attended data science events in the world.