Application: 5816

Oklahoma State University (OSU) GenAI,AI/ML Non-Profit empowering communities on AI

Page: General Information

Provide information about the company to be considered for the award. If you will be nominating an individual, specify the nominee's employer.

Name of Organization/Company

JPMorgan chase

[redacted]

Additional Contacts

I would also like to have others receive emails about the disposition of our entries.

Page: Entry Information

Entry Title

Oklahoma State University (OSU) GenAI,AI/ML Non-Profit empowering communities on AI

Category

E02. Educational or Research Institution of the Year - Artificial Intelligence

Educational or Research Institution of the Year Submission Format

Written Answers

a. Briefly describe the nominated non-profit organization's history and past performance (up to 200 words). Required

Oklahoma State University (OSU), a land-grant institution founded in 1890, has a long-standing tradition of academic excellence, innovation, and public service. The Master of Science in Business Analytics and Data Science (MS BADS), housed in the Spears School of Business, exemplifies OSU's commitment to equipping students with cutting-edge skills in data-driven decision-making.

The program has consistently ranked among the top in the country — including #7 for online and #13 for on-campus programs by Fortune Magazine. The curriculum blends business knowledge with technical expertise, offering students deep exposure to analytics, machine learning, and applied data science.

Historically, OSU's analytics programs have been recognized for close industry collaboration, applied projects, and a strong alumni network in Fortune 500 companies. Faculty members actively collaborate with industry experts to keep the program aligned with evolving trends. The university's emphasis on real-world impact, innovation in pedagogy, and student-centered learning has made the MS BADS program one of the most progressive and practice-oriented analytics programs in the U.S.

b. Outline the nominated non-profit organization's achievements since the beginning of 2023 that you wish to bring to the judges' attention (up to 250 words). Required

Since 2023, OSU's MS in Business Analytics and Data Science program has undergone a significant transformation to make the curriculum more cutting-edge, industry-aligned, and technically robust — a milestone made possible through a strategic collaboration between the program director and a senior AI industry practitioner who contributed pro bono.

This collaboration resulted in the design and delivery of three advanced, application-focused graduate courses:

Anomaly Detection (1 semester, 200 students): Covered univariate/multivariate techniques, LOF, Isolation Forest, DBSCAN, deep learning approaches, and PyCaret/PyOD for real-world detection.

Spark for Machine Learning and Data Engineering (2 semesters, 200 students): Focused on Spark APIs, predictive analytics, feature engineering, and CI/CD pipelines using GitHub.

Introduction to Large Language Models (2 semesters, 200 students): A pioneering course covering transformers, prompt engineering, LangChain, fine-tuning, RAG, and agentic AI.

In addition, OSU indirectly extended its community impact by facilitating the delivery of seven enterprise AI trainings by the same collaborator to 1,000+ industry professionals, helping bridge the academic-industry divide.

These enhancements strengthened OSU's standing as a top-tier, future-ready analytics program, while also maintaining accessibility, rigor, and a focus on career readiness.

c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other institutions in the organization's field and/or to the organization's own past performance (up to 250 words). Required

These achievements are significant because they represent a rare convergence of academic vision, industry collaboration, and pro bono contribution — all aimed at accelerating OSU's position as a national leader in business analytics education.

While many analytics programs are still evolving toward LLMs, agentic AI, and enterprise-grade tools, OSU has already integrated these advanced topics into its core curriculum. The addition of hands-on training in tools like Spark, PyCaret, LangChain, and AutoGen puts OSU students ahead of peers from programs that rely solely on theoretical instruction or outdated toolsets.

This transformation directly resulted from OSU's willingness to collaborate with top-tier industry talent — leading to courses that reflect real-world applications of anomaly detection, LLM deployment, and ML engineering pipelines. Few institutions of similar size or rank have achieved this level of integration between emerging AI technologies and business analytics education.

Compared to OSU's own past curriculum, this evolution marks a step-change in technical rigor, relevance, and graduate readiness. Additionally, the outreach to industry professionals through enterprise AI trainings has extended OSU's impact beyond academia, further distinguishing it from other graduate programs.

These efforts have not only reinforced OSU's top national ranking but also redefined what it means to prepare students for the AI-driven future of business analytics.

I'm a contributor on AI learnings to AI2030, ISDSA,AAAi, senior IEEE member

d. Reference any attachments of supporting materials throughout this nomination and how they provide evidence of the claims you have made in this nomination (up to 250 words). Optional

Course syllabi and lecture decks for the three newly developed courses (Anomaly Detection, Spark for ML, and Intro to LLMs), demonstrating the technical depth and industry relevance.

Enrollment data and feedback summaries from the 600+ students who participated across the three courses since 2023.

GitHub repositories and project notebooks used in coursework, highlighting hands-on engagement with tools such as PyOD, Spark, LangChain, and Hugging Face Transformers.

https://github.com/anvcse562/Spark_EDA_modeling

https://github.com/anvcse562/anomaly_detection(saved sample to avoid plagiarism)

https://github.com/anvcse562/finetuning-gpt(saved sample to avoid plagiarism)

Screenshots and evaluation forms from enterprise AI training sessions delivered by the external collaborator, reflecting OSU's indirect impact on upskilling 1,000+ professionals.

Letters of acknowledgment from the MS BADS program director and participating students, emphasizing the courses' transformative effect on student readiness and curriculum competitiveness.

External rankings (e.g., Fortune Magazine) showcasing OSU's consistent national leadership in analytics education, further validated by this curriculum overhaul.

These materials collectively support OSU's forward-thinking leadership in analytics education and validate the tangible impact of its recent curriculum innovations.

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Would you like to add an additional supporting document?

Yes

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Would you like to add an additional supporting document?

No

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