Application: 5055

Pecan AI's Predictive GenAI Transforms Data Analysts Into Predictive Powerhouses

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

Pecan AI

Additional Contacts

I do not wish to list additional contacts

Page: Entry Information

Entry Title

Pecan AI's Predictive GenAI Transforms Data Analysts Into Predictive Powerhouses

Category

E03. Technical Innovation of the Year - Artificial Intelligence

Technical Innovation of the Year Submission Format

Written Answers

a. Briefly describe the organization that achieved the nominated technical innovation: its history and past performance (up to 200 words). Required

Pecan revolutionizes predictive analytics with our automated machine learning platform for data analysts. We empower businesses to create predictive models from raw data without data science expertise.

Founded in 2018, Pecan is a Series C SaaS startup supported by notable investors including Insight Partners, GV (formerly Google Ventures), S-Capital, GGV Capital, Dell Technologies Capital, Mindset Ventures, and Vintage Investment Partners. Data teams at top companies like Kenvue, CAA, Redis, SciPlay, and many others trust Pecan to build accurate, trustworthy predictive models.

Pecan has always focused on helping data analysts and less technical users harness machine learning through a user-friendly interface. We've previously released modeling templates and no-code data connectors to simplify complex processes. However, our latest innovation — Predictive GenAI — is our biggest step toward democratizing data science.

Launched in early 2024, our Predictive GenAI capabilities fuse cutting-edge generative AI with tried-and-true predictive machine learning. Users begin building models through a chat interface and a SQL-based notebook with auto-generated code and automated data prep. Our thoughtfully designed dashboards for model evaluation and a GenAI-powered assistant support users as they refine models. With this innovation, Pecan makes it possible for far more teams and businesses to benefit from machine learning.

b. Outline the nominated technical innovation. Be sure to describe it in terms that someone with limited knowledge of the technology can understand and appreciate (up to 250 words). Required

Adding generative AI to Pecan's predictive analytics platform has made it even easier for data professionals to adopt a predictive approach to business challenges. Our Predictive GenAI tools make it straightforward for users to identify and define opportunities for predictive modeling and accelerate their modeling, making it far faster and easier than traditional data science methods.

A user starts by simply talking about the business problem in their own words. The Predictive Chat uses a natural-language conversation with our AI assistant to help users define exactly the predictive question they want to address. Whatever the user's industry or department, the chat will help them turn their business challenge into a specific, answerable question that reflects the user's needs and the raw data they have available.

Then, Pecan guides them through the predictive modeling process from start to finish, thanks to our fusion of generative AI, predictive AI, and automation. Using the chat input, Pecan generates a Predictive Notebook with SQL queries and sample data already created for the user. The user doesn't have to try to identify the correct data for training the model. The queries are already in place and easy to customize.

With Predictive GenAI, Pecan's users fast-track AI adoption. They can go from an idea to a production-ready model more rapidly than ever, making it possible to tackle multiple business challenges effectively and achieve even greater outcomes. They'll use the united powers of predictive and generative AI to unlock opportunities within their vast data repositories.

c. Explain why the technical innovation you have highlighted is unique or significant (up to 250 words). Required

We believe Pecan's approach to AI is essential to the industry's future.

Pecan has transformed the "traditional" practice of data science and machine learning into a much more accessible, intuitive process that those without experience in data science can use. We've learned from the top techniques used by high-level data scientists and incorporated their methods into our platform. We use state-of-the-art processes for automated feature engineering and AutoML to ensure users get the best-performing models possible from their raw data.

Moreover, many generative AI projects are currently struggling to deliver actual returns. But that failure is a win for other forms of AI. It will redirect companies' investment and energy back to AI tools that have proven their worth for years, like machine learning and process optimization. At Pecan, we know from our customers' successes that battle-tested predictive AI methods are of massive value. There's still a tremendous amount of business potential to unlock with them.

However, the challenge of who will build those predictive AI tools — and how to make that investment cost-effective — remains unsolved. That's why we believe our strategy of making predictive AI and machine learning more accessible for a wider variety of users is critical to the future of AI. Moreover, we were the first to recognize the power of fusing generative AI and predictive AI to unlock machine learning for less technical users. While others may eventually follow our lead, Pecan sets the standard for democratizing predictive AI throughout organizations.

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

The product tour and video demo of Predictive GenAI illustrate the ease of use, speed, and versatility of these new capabilities.

Our customer testimonials demonstrate the business and personal impact of our platform when data analysts and business professionals use it.

The brief video explanation and blog post from our CEO and co-founder, Zohar Bronfman, offer additional details and insights into the significance of Predictive GenAI and Pecan's platform for businesses and the future direction of predictive AI.

Finally, the media coverage by both VentureBeat and SiliconANGLE are just samples of the articles produced in response to our press release about Predictive GenAI, showing how external industry experts recognize how meaningful this innovation truly is for our users and the AI industry.

Webpage Link

https://www.pecan.ai/product-tour/ (https://www.pecan.ai/product-tour/)

Would you like to add an additional webpage link?

Yes

Webpage Link 2

https://youtu.be/tjk3lwJoo-k?si=C5PnfBDJKbiY3d77 (https://youtu.be/tjk3lwJoo-k?si=C5PnfBDJKbiY3d77)

Would you like to add an additional webpage link?

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Webpage Link 3

https://vimeo.com/982070526?share=copy (https://vimeo.com/982070526?share=copy)

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Web Page Link 4

https://vimeo.com/970113008 (https://vimeo.com/970113008)

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https://drive.google.com/file/d/1cAvrVl_VZp9qM1WvvbcJjmF9-rDxh6dI/view?usp=drive_link (https://drive.google.com/file/d/1cAvrVl_VZp9qM1WvvbcJjmF9-rDxh6dI/view?usp=drive_link)

Would you like to add an additional webpage link?

Yes

Web Page Link 6

https://www.pecan.ai/resource/predictive-genai-release/ (https://www.pecan.ai/resource/predictive-genai-release/)

Would you like to add an additional webpage link?

Yes

Web Page Link 7

https://www.pecan.ai/blog/behind-the-scenes-predictive-genai/ (https://www.pecan.ai/blog/behind-the-scenes-predictive-genai/)

Would you like to add an additional webpage link?

Yes

Web Page Link 8

https://venturebeat.com/ai/pecan-ai-debuts-predictive-generative-ai-to-democratize-ai-predictions-for-business/ (https://venturebeat.com/ai/pecan-ai-debuts-predictive-generative-ai-to-democratize-ai-predictions-for-business/)

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Web Page Link 9

https://siliconangle.com/2024/01/17/pecan-ai-taps-generative-ai-help-anyone-create-predictive-models/ (https://siliconangle.com/2024/01/17/pecan-ai-taps-generative-ai-help-anyone-create-predictive-models/)

Would you like to add an additional webpage link?

Supporting Document

Download File (https://stevies-tech.secure-platform.com/file/67859/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjo2Nzg1OSwiYWxsb3dOb3RaWduZWRVcmwiOiJGYWxzZSIsImlnbm99Kq4m0MosscepNH8qEumD3-h_DxTSk?About_Pecan_Platform.pdf)

Would you like to add an additional supporting document?

Yes

Supporting Document 2

Download File (https://stevies-tech.secure-platform.com/file/67860/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjo2Nzg2MCwiYWxsb3dOb3RaWduZWRVcmwiOiJGYWxzZSIsImlnbm93n9IjflE0xNdp0JeonOI?About_Pecan_SaaS.pdf)

Would you like to add an additional supporting document?

Yes

Supporting Document 3

Download File (https://stevies-tech.secure-platform.com/file/67861/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjo2Nzg2MSwiYWxsb3dOb3RaWduZWRVcmwiOiJGYWxzZSIsImlnbm99Pecan_Corporate_Snapshot.pdf)

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