

Application: 7312

Abhishek Maligehalli Shivalingaiah

**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**

Abhishek Maligehalli Shivalingaiah

[REDACTED]

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**Additional Contacts**

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

**Page: Entry Information**

**Entry Title**

Abhishek Maligehalli Shivalingaiah

**Category**

E09. Lifetime Achievement Award - Artificial Intelligence

**Lifetime Achievement Submission Format**

Written Answers

**a. Provide a short biography of the nominated person (up to 200 words). Required**

Abhishek Maligehalli Shivalingaiah is a globally recognized AI leader, known for architecting enterprise-grade, trustworthy generative AI systems. With over a decade of experience across industry leaders including Amazon, Motorola Solutions, Vanguard, Lenovo, and Tesco, Abhishek has developed AI solutions that combine cutting-edge research with scalable real-world impact.

As Senior Generative AI Solutions Architect at Amazon Web Services, he led the ideation and development of Amazon Q Business, a citation-aware enterprise AI assistant. His open-source innovations in retrieval-augmented generation (RAG) have been widely adopted and are referenced in government frameworks like NIST's AI Risk Management Framework and CivAI's GenAI Toolkit.

Abhishek holds a Master's in Information Technology and Management from the University of Texas at Dallas, with a focus on machine learning, and is certified in Data Science by MIT. His solutions have enhanced AI reliability in healthcare, financial advisory, emergency response, and citizen services.

A prolific speaker, he has presented at AWS re:Invent and TSIA, and his research has garnered over 180,000 blog views and 200+ GitHub stars. He continues to champion responsible AI, bridging innovation with public trust and societal benefit. He is an active ACM committee member.

**b. Outline the nominated person's career of achievement. There is no eligibility window for this category, so you may cite the nominee's entire lifetime of accomplishment (up to 250 words). Required**

Abhishek began his AI career at Tesco, building data pipelines and machine learning models that reduced food waste in Asia by 30%.

At Motorola Solutions, he developed AI-driven infrastructure that improved the reliability of 911 emergency services, impacting millions of calls annually.

At Vanguard, his recommender models connected clients to personalized financial guidance, helping democratize financial advice in the U.S.

At Lenovo, he led AI efforts across marketing, e-commerce, customer experience, and product engineering—saving the company \$600K annually in software costs and boosting ad campaign ROI with attribution modeling. He built and scaled Lenovo's AutoML and distributed AI platforms, mentoring data scientists and deploying over 10 AI solutions.

In his current role at Amazon Web Services, Abhishek pioneered a trustworthy RAG framework to reduce AI hallucinations and enforce citation-backed outputs. This led directly to the creation of Amazon Q Business, now adopted by Fortune 100 companies. His work slashed hallucination rates by over 70%, improved retrieval accuracy by 60%, and reduced AI operational costs by 35%.

His innovations are open source, integrated into the LangChain framework, and used globally. Cited by federal bodies and featured in major media outlets, his work also powers AI use cases in healthcare, education, and finance—solidifying his status as a trailblazer in enterprise AI and AI safety.



**Would you like to add an additional webpage link?**

**Would you like to add an additional supporting document?**

Yes

## **Supporting Document 5**

For more information, contact the Office of the Vice President for Research and Economic Development at 319-273-2500 or [research@uiowa.edu](mailto:research@uiowa.edu).

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11. **What is the primary purpose of the study?**

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100% 

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**Would you like to add an additional supporting document?**

## Terms