Application: 4882

Bharath Bhushan Sreeravindra

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

Capital One

Additional Contacts

I do not wish to list additional contacts

Page: Entry Information

Entry Title

Bharath Bhushan Sreeravindra

Category

Q11c. Employee of the Year - Information Technology - Cybersecurity

Employee Nominee Submission Format

Written Answers

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

Bharath Bhushan Sreeravindra is a leading expert in security services with over 13 years of experience. He has made significant contributions to the field through innovative patents and impactful research. His work focuses on enhancing cybersecurity measures and developing cutting-edge security solutions that address contemporary challenges. Bharath has 3 patents published and 2 papers published in 2024

(1) Patent US20240048361A1 - Key Management

(2) Patent US20240048532A1 - Data Exchange Protection and Governance System

(3) Patent US20240048380A1 - Cryptography As A Service

(4) Journal Publication: INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)
- Dynamic Data Storage Management Using Adaptive Cryptographic Key Mechanisms

(5) Journal Publication: International Journal of Global Innovations and Solutions (IJGIS) - Data Security and Storage Administration with Dynamic Encryption Key Management

Bharath Bhushan's contributions to security services are underscored by his innovative patents and research. His work on adaptive cryptographic key mechanisms provides a groundbreaking method for securing data storage systems. The patented inventions he has developed offer advanced solutions for threat detection and secure communication, setting new advancements in the cybersecurity industry.

His dedication to developing secure and efficient solutions also won him Globee Awards' Professional of the Year in Security Services in 2024.

b. Outline the nominated non-executive employee's achievements since the beginning of 2022 that you wish to bring to the judges' attention (up to 250 words). Required

Bharath's Key Achievements

(1) Patent US20240048361A1 - Key Management

Description: The patent details a dynamic data storage management system that employs adaptive cryptographic key mechanisms to ensure data security. This system addresses the limitations of conventional static key management by introducing a flexible and secure method for managing cryptographic keys.

(2) Patent US20240048532A1 - Data Exchange Protection and Governance System:

Description: This patent introduces a comprehensive set of advanced security protocols aimed at protecting sensitive data as it traverses communication networks. The system focuses on mitigating the risks associated with data interception and unauthorized access, offering robust encryption and authentication mechanisms.

(3) Patent US20240048380A1 - Cryptography As A Service:

Description: This patent introduces the concept of Cryptography-as-a-Service (CaaS) which involves providing cryptographic operations, such as encryption and digital signing, through a cloud-based or on-premise solution. This service-oriented approach allows users to perform cryptographic tasks without the need for direct possession of cryptographic keys on their devices. CaaS offers flexibility through features like time-based and session-based crypto-periods, allowing controlled access to cryptographic functions.

(4) Journal Publication: INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT)
- Dynamic Data Storage Management Using Adaptive Cryptographic Key Mechanisms

Description: This research paper presents an innovative approach to data storage management using adaptive cryptographic keys, ensuring enhanced security and data integrity.

(5) Journal Publication: International Journal of Global Innovations and Solutions (IJGIS) - Data Security and Storage Administration with Dynamic Encryption Key Management.

Description: This research paper presents dynamic encryption management and the impact on data security and storage.

c. Explain why the achievements you have highlighted are unique or significant. If possible compare the achievements to the performance of other employees or to other workers in your industry and/or to the nominee's past performance (up to 250 words). Required

Impact of Bharath's work:

(1) Patent US20240048361A1 - Key Management:

Impact: The innovative approach of this patent offers significant improvements over traditional key management systems. By dynamically adjusting cryptographic parameters and employing adaptive mechanisms, it enhances the overall security posture of data storage systems, making them more resilient to emerging threats.

(2) Patent US20240048532A1 - Data Exchange Protection and Governance System:

Impact: This patent represents a significant advancement in the field of network security. By providing a robust framework for encrypting and authenticating data, it enhances the overall security of communication networks, making them more resilient to modern cyber threats. The dynamic and adaptive nature of the protocols ensures that data remains secure even as the threat landscape evolves.

(3) Patent US20240048380A1 - Cryptography As A Service:

Impact: This patent represents advancement in data security by centralizing cryptographic operations, thus enhancing security and compliance for organizations. It reduces the risk of key mismanagement and unauthorized access, providing robust data protection and regulatory compliance. By offering flexible and scalable cryptographic solutions, CaaS enables businesses to secure their data more efficiently and cost-effectively.

Bharath Bhushan's contributions to security services are underscored by his innovative patents and research. His work on adaptive cryptographic key mechanisms provides a groundbreaking method for securing data storage systems. The patented inventions he has developed offer advanced solutions for threat detection and secure communication, setting new advancements in the cybersecurity industry.

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

Webpage Link

https://doi.org/10.21428/e90189c8.56c2d874 (https://doi.org/10.21428/e90189c8.56c2d874)

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Supporting Document

Download File (https://stevies-tech.secure-platform.com/file/67549/eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJtZWRpYUlkIjo2NzU0OSwiYWxsb3dOb3RaWduZWRVcmwiOiJGYWxzZSIsImlnbm99
Awards.pdf)

Would you like to add an additional supporting document?

No

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