



Expert Talk on

Ethical Horizons: Navigating Responsible AI in the modern world

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On 20th August 2024, MITS Radio 90.8 organized an expert talk under the supervision of Sri M. Narasimhacharlu, Program Manager of MITS Radio 90.8 CRS. The session featured Mr. SukhIRaman Manivannan, Practice Lead at CPX, Abu Dhabi, associated with the Department of Data Science. The talk, titled "Ethical Horizons: Navigating Responsible AI in the Modern World," aimed to explore the ethical, social, and legal implications of artificial intelligence (AI) in today's rapidly evolving technological landscape. It addressed key ethical dilemmas, including privacy concerns, algorithmic bias, and the potential for misuse or unintended consequences of AI technologies.

RJ Nitya, in collaboration with RJ Thorani, began the session by introducing the profile of the Chief Guest, Mr. SukhIRaman Manivannan, Practice Lead at CPX, Abu Dhabi. During the discussion with the guest, he shared his experiences and thoughts on the following points:



1. Sharing Threat Intelligence

Threat intelligence involves gathering, analyzing, and utilizing information about potential or active cybersecurity threats to organizations. It helps understand the nature of threats, identify their sources, comprehend attack methods, and assess potential impacts. The goal is to enable informed decision-making, safeguarding assets, networks, and data from cyber threats. The speaker also emphasized the importance of diversity and inclusivity in AI development, ensuring technologies are representative and beneficial to all segments of society.

2. Secrets of Career Success

Effective team management is vital for career success. Open communication ensures smooth information flow, preventing misunderstandings, resolving conflicts efficiently, and promoting collaboration. Aligning individual goals with organizational objectives fosters a shared sense of purpose, leading to both personal and organizational achievements.

3. Significance Challenges in Cyber Security

- Cyber attackers are becoming more sophisticated, using advanced techniques like AI, machine learning, and malware to breach security defenses.
- The ever-evolving cybersecurity landscape brings new threats, such as nation-state attacks and cyberterrorism, which pose significant risks to national security and critical infrastructure.
- Managing compliance across varying global regulations presents complex challenges for multinational organizations.

4. Advices for Data Science Students in Cyber Security

- Master core concepts like network security, cryptography, malware analysis, incident response, and penetration testing.
- Understand how data is protected, transmitted, and potentially exploited.
- Engage with open-source cybersecurity projects that involve data analysis, machine learning, or threat intelligence.
- Develop a basic understanding of ethical hacking and penetration testing to think like an attacker and create more effective data-driven defense mechanisms.

5. Key Lesson from His Career

The guest highlighted that passion for work is the foundation for long-term success. Passion not only drives motivation but also brings a deep sense of satisfaction and fulfillment, helping professionals stay focused and productive, even in challenging times.

RJ Nitya concluded the session by expressing gratitude to Mr. Sukhraman Manivannan for his invaluable insights into the ethical dimensions of AI and cybersecurity. The talk provided actionable frameworks for responsible AI practices and encouraged students to develop AI technologies that promote social good and minimize potential harms.

Outcomes

- The session enhanced understanding of ethical principles in AI, including fairness, transparency, accountability, and privacy.
- It underscored the importance of diversity and inclusivity in AI development to ensure equitable benefits across all sectors of society.

Conclusion

This expert talk fostered a comprehensive understanding of AI's ethical landscape, aiming to guide students and professionals in building responsible, socially impactful AI systems.

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