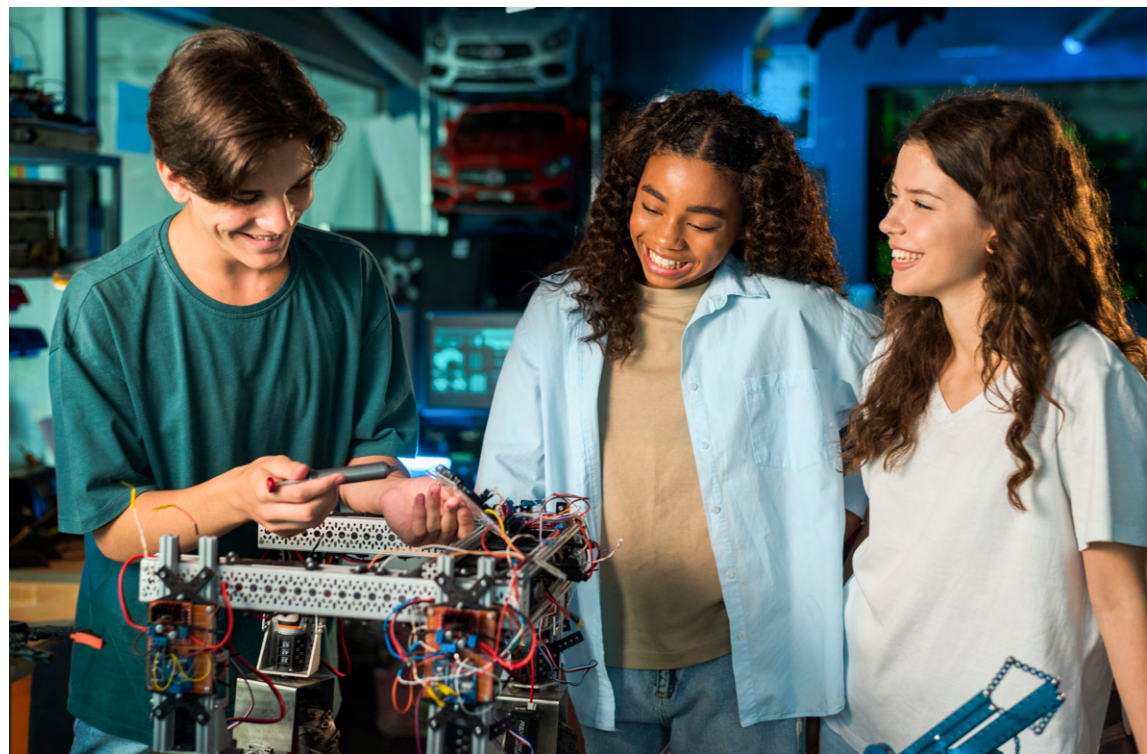


The NSDC Weekly Pulse

13/07/2024



Trending Topics of the Week!



Tech Skills to Acquire in 2024

In an era of rapid technological advancement, maintaining relevance in the tech industry demands a proactive approach to acquiring skills. Looking ahead to 2024, several key skills are poised to shape the future of tech careers:

- Artificial Intelligence:** Develop expertise in AI and data science to effectively harness intelligent systems.
- Cybersecurity:** Safeguard digital assets through advanced threat detection and secure coding practices.
- Cloud Computing:** Achieve proficiency in AWS, Azure or Google Cloud for scalable and efficient operations.
- Data Science:** Analyse data to drive strategic decisions and foster innovation.
- Blockchain:** Understand blockchain fundamentals and its transformative impact across industries.
- DevOps and Automation:** Adopt automation tools and DevOps practices to streamline software development and deployment.

Investing in these essential skills isn't just about keeping pace with technological advancements—it's about future-proofing your career. By acquiring and refining these capabilities, tech professionals can position themselves as indispensable assets in the evolving tech landscape.

Key AI Roles for Innovation, Ethics, Usability and Safety

As AI continues to evolve rapidly, the demand for skilled professionals in various AI-related roles is on the rise. This trend highlights the growing importance of specialised roles in shaping the future of AI technology, ensuring it is developed and deployed responsibly and effectively. Below are some trending roles that you can consider for your career success if you are interested in building a career in the field of AI.

- AI Trainer or AI Engineer:** These professionals design algorithms and models that enable machines to learn from data, ensuring AI can accurately perform tasks such as language understanding and image recognition.
- AI Ethicist:** They address ethical issues like bias, fairness and privacy, working alongside engineers and policymakers to develop guidelines that prevent harm and promote societal benefits.
- AI Interaction Designer:** These designers create intuitive interfaces and engaging experiences, ensuring that people can easily understand and interact with AI technologies.
- AI Safety Engineer:** AI Safety Engineers identify risks and develop strategies to prevent failures, particularly in high-stakes areas such as autonomous vehicles, healthcare and finance.

These roles are crucial for the effective, ethical and safe deployment of AI technologies. Each role uniquely contributes to the development, ethical consideration, user experience and safety of AI systems, ensuring that AI can be harnessed for the greater good.

Chart Your Path to Success in the Booming Tech Industry

The tech industry offers many rewarding career opportunities. Here are four high-paying jobs that you can pursue:

- Cloud Architect:** Cloud Architects design and manage cloud systems on platforms like AWS and Azure.
- Software Development Manager:** Software Development Managers oversee software projects and manage development teams.
- DevOps Engineer:** DevOps Engineers bridge the gap between software development and IT operations. They work to improve collaboration and productivity by automating and streamlining the development process.
- Blockchain Developer:** Blockchain developers create and maintain blockchain-based applications and systems. Their expertise is in high demand with the rise of cryptocurrencies and blockchain technology.

As technology continues to evolve, the demand for skilled professionals in these roles is expected to grow, making them promising career paths for those seeking both financial reward and professional fulfilment.

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