AtTheHeart

Understanding the Tech Industry

A PRACTICAL GUIDE FOR *MENTORS*

Purpose: Give your mentee an overview of the tech industry, key roles, and potential career growth.

Overview of Tech Roles

Software Developer: Works on creating applications, websites, or systems.

Data Scientist/Analyst: Analyses large sets of data to provide actionable insights.

Business Analyst: Helps organisations improve processes and solutions by analysing business needs and requirements.

Quality Assurance (QA): Ensures that software and systems work as intended by testing and identifying bugs.

Overview of Tech Sectors

The tech industry spans a wide range of sectors:

Software Engineering: Developing applications and software systems.

Cybersecurity: Protecting systems from security breaches and cyberattacks.

Data Science: Analysing data to inform business decisions.

Cloud Computing: Hosting applications and services over the internet (AWS, Azure, Google Cloud).

Emerging Trends

Encourage your mentee to stay informed about trends like:

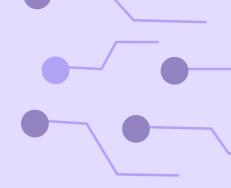Artificial Intelligence (AI) & Machine Learning

Blockchain & Cryptocurrency

Cloud Computing & DevOps

Cybersecurity and Ethical Hacking

Career Pathways

Tech careers offer excellent growth opportunities. For example, a software developer might progress from Junior Developer to Senior Developer to Engineering Lead and eventually become a Technical Architect or CTO.

How to Use: Help your mentee explore these different roles and identify which ones align with their skills and interests. Encourage them to take exploratory courses or shadow professionals in different roles.