

# Students in Tech Community

## AI, your competitive edge

Microsoft Reactor Sydney  
Thursday 13 June, 5:30PM



# Reactor



Meet the Microsoft Community Leaders



Hsiao Han Huang



Elizabeth Pappalardo



Joshan Pandey



Shohag Rana



Muhammad Sakib Khan Inan





# Reactor

S Y D N E Y

## Join our community

 [meetup.com/Microsoft-Reactor-Sydney/](http://meetup.com/Microsoft-Reactor-Sydney/)



[meetup.com/Microsoft-Reactor-Sydney/](http://meetup.com/Microsoft-Reactor-Sydney/)



@MSFTReactor



<http://www.youtube.com/c/MicrosoftReactor>



[aka.ms/ReactorEmailSignUp](http://aka.ms/ReactorEmailSignUp)

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# 2024 Work Trend Index

From Microsoft and LinkedIn

Elizabeth Pappalardo,  
Community Program Manager, Microsoft

# Work Trend Index 2024

<http://aka.ms/wti24>



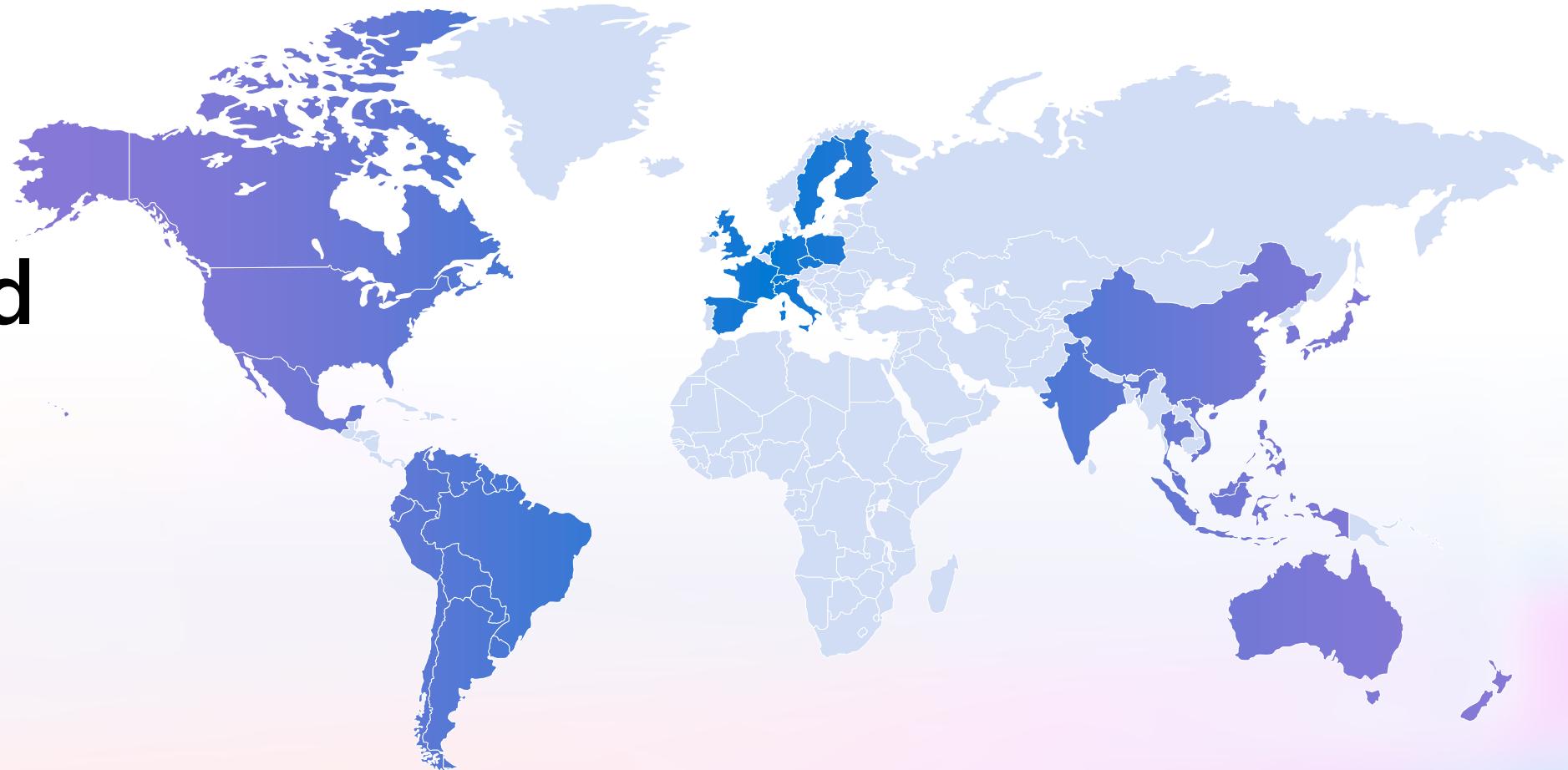
31,000 people across  
31 countries



Labor, hiring trends  
from **LinkedIn**



Productivity patterns  
of **Microsoft 365**



# Three findings stood out

1

Employees want AI at work—and won't wait for companies to catch up.

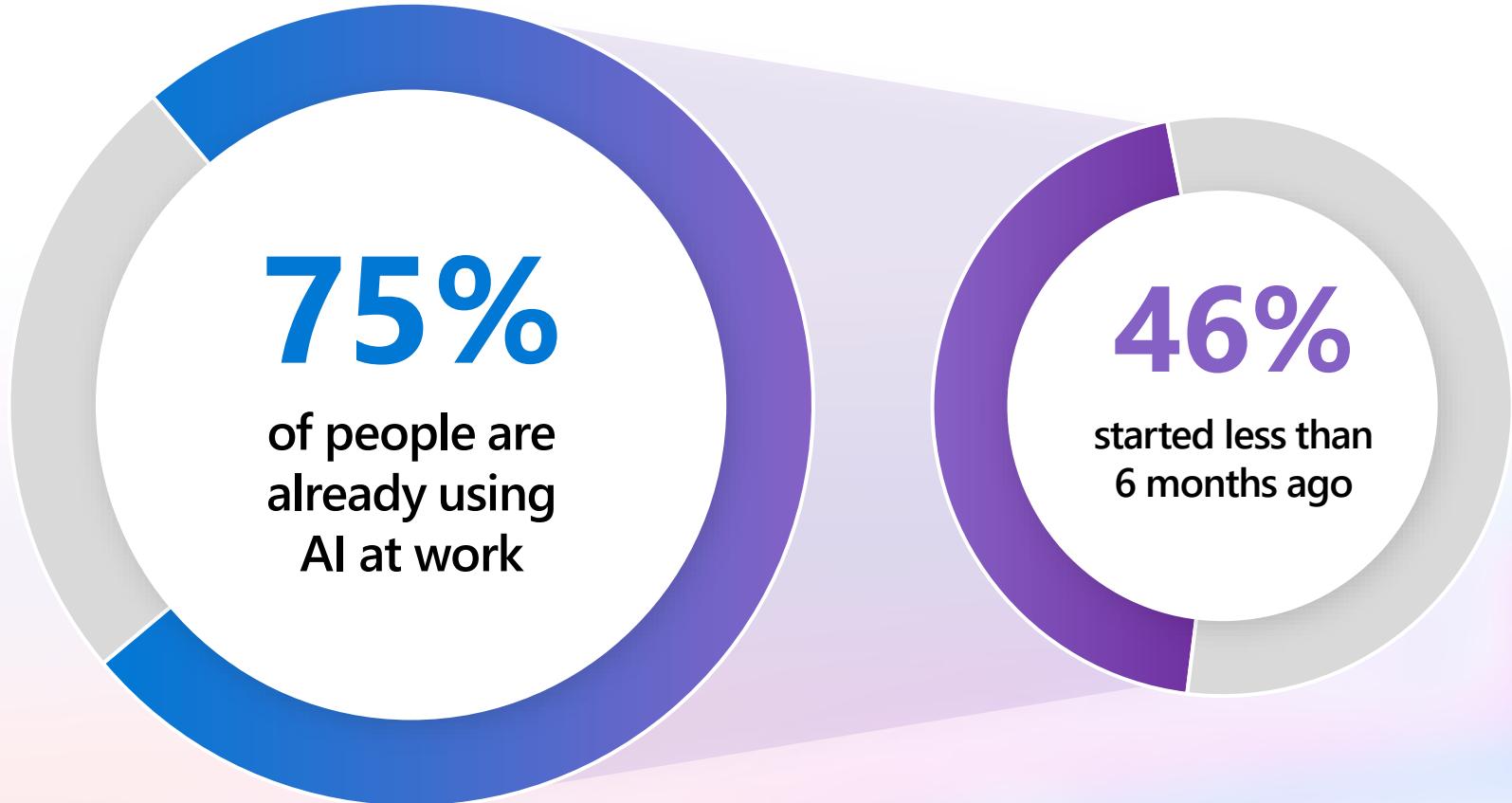
2

The rise of the AI power user—and what they reveal about the future.

3

For employees, AI raises the bar and breaks the career ceiling.

# AI has come to work

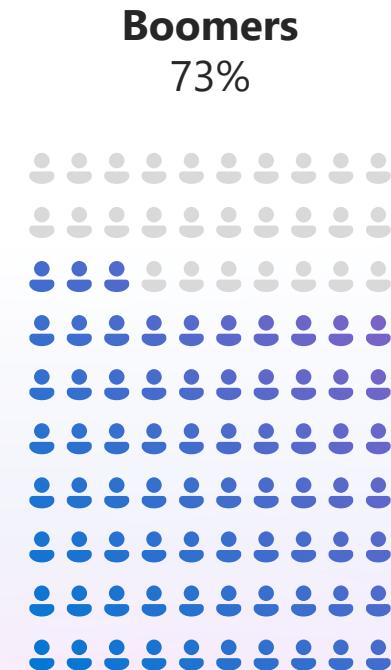
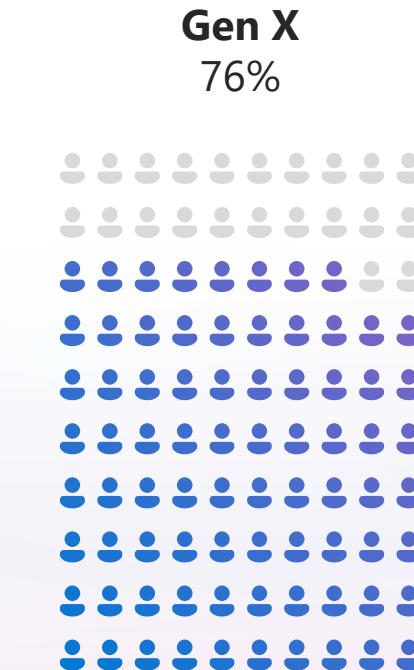
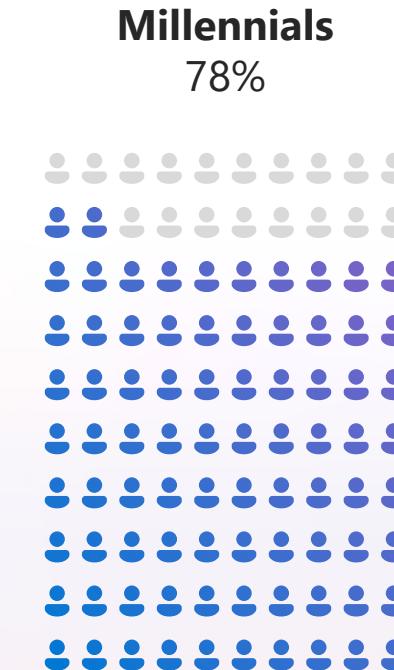
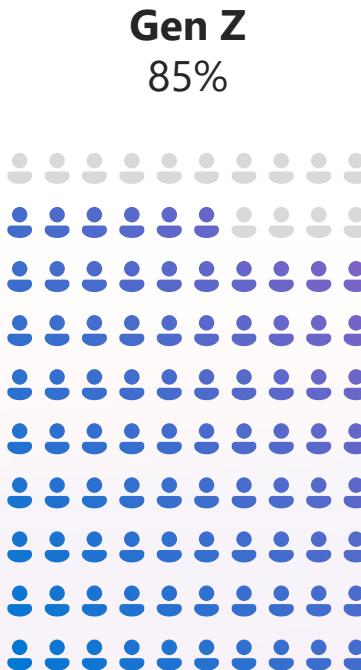


# 78%

of employees are bringing their  
own AI tools to work

# BYOAI Is Not Just for Gen Z

Employees across every age group are bringing their own AI tools to work



Share of survey respondents who have used AI tools at work not provided by their organization

# AI Mindset Shift

Power users are more likely to



Experiment with AI

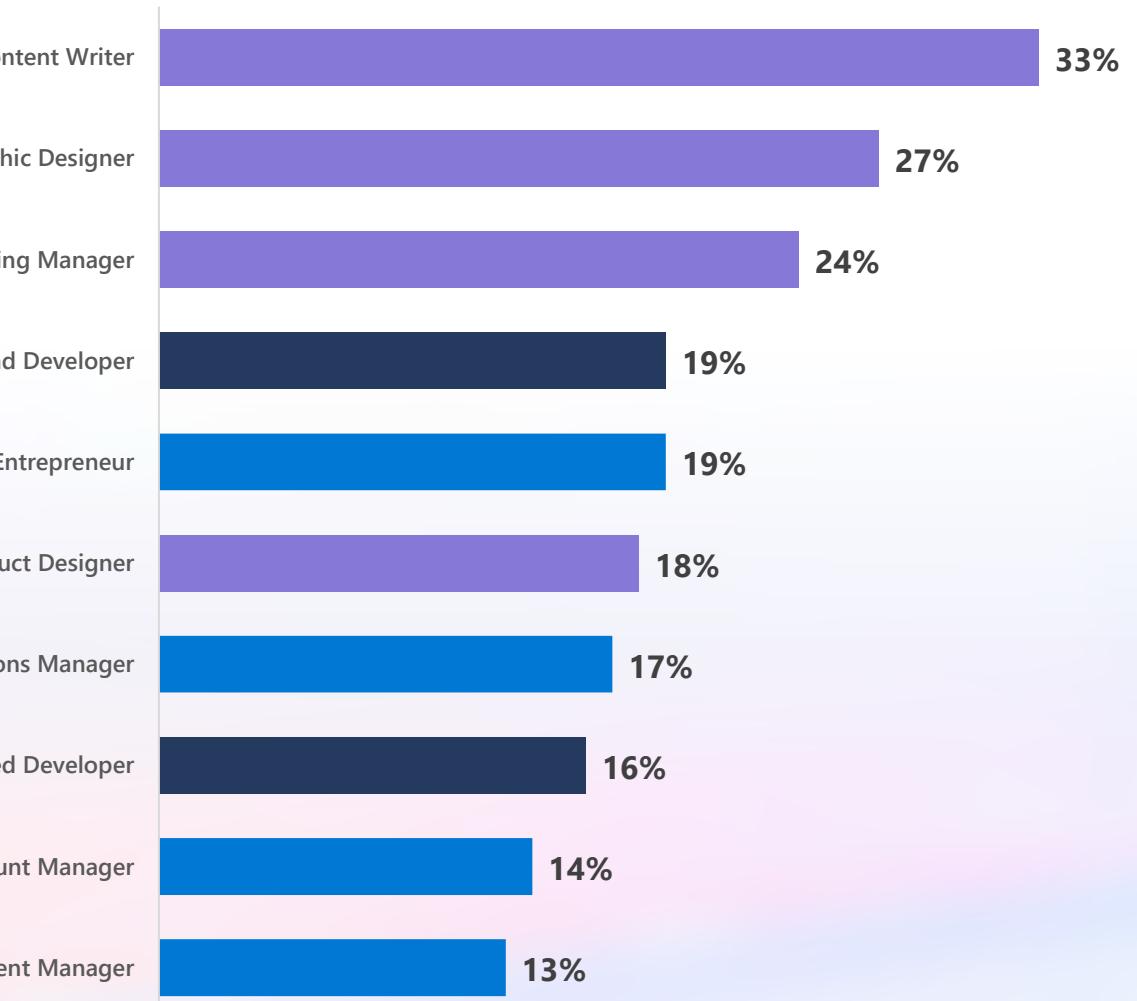


Catch up, brainstorm or  
problem solve



Start and end  
their day with AI

# AI Aptitude Heats Up Across Roles and Industries



 Creative

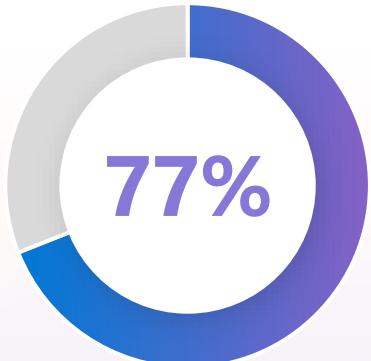
 Software

 Business

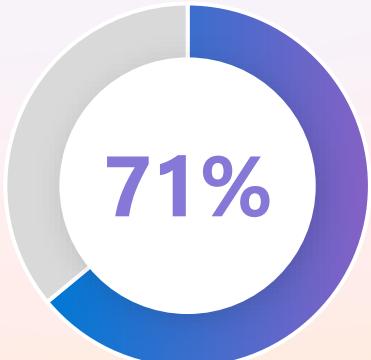
Occupations with the greatest percentage of members on LinkedIn adding AI Aptitude skills to their profiles in 2023

# The New Hiring Imperative

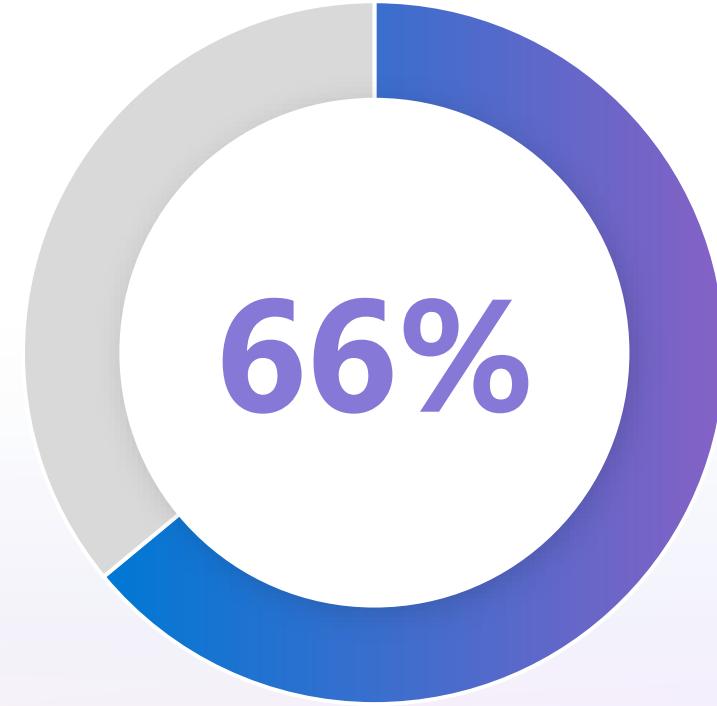
AI aptitude takes center stage



Leaders say early-in-career talent will get greater responsibilities due to AI



Leaders are more likely to hire a less experienced candidate with AI skills than a more experienced one without them



Leaders would not hire someone **without AI skills**

# AI, your competitive edge.

The opportunity to grow  
your career is now.

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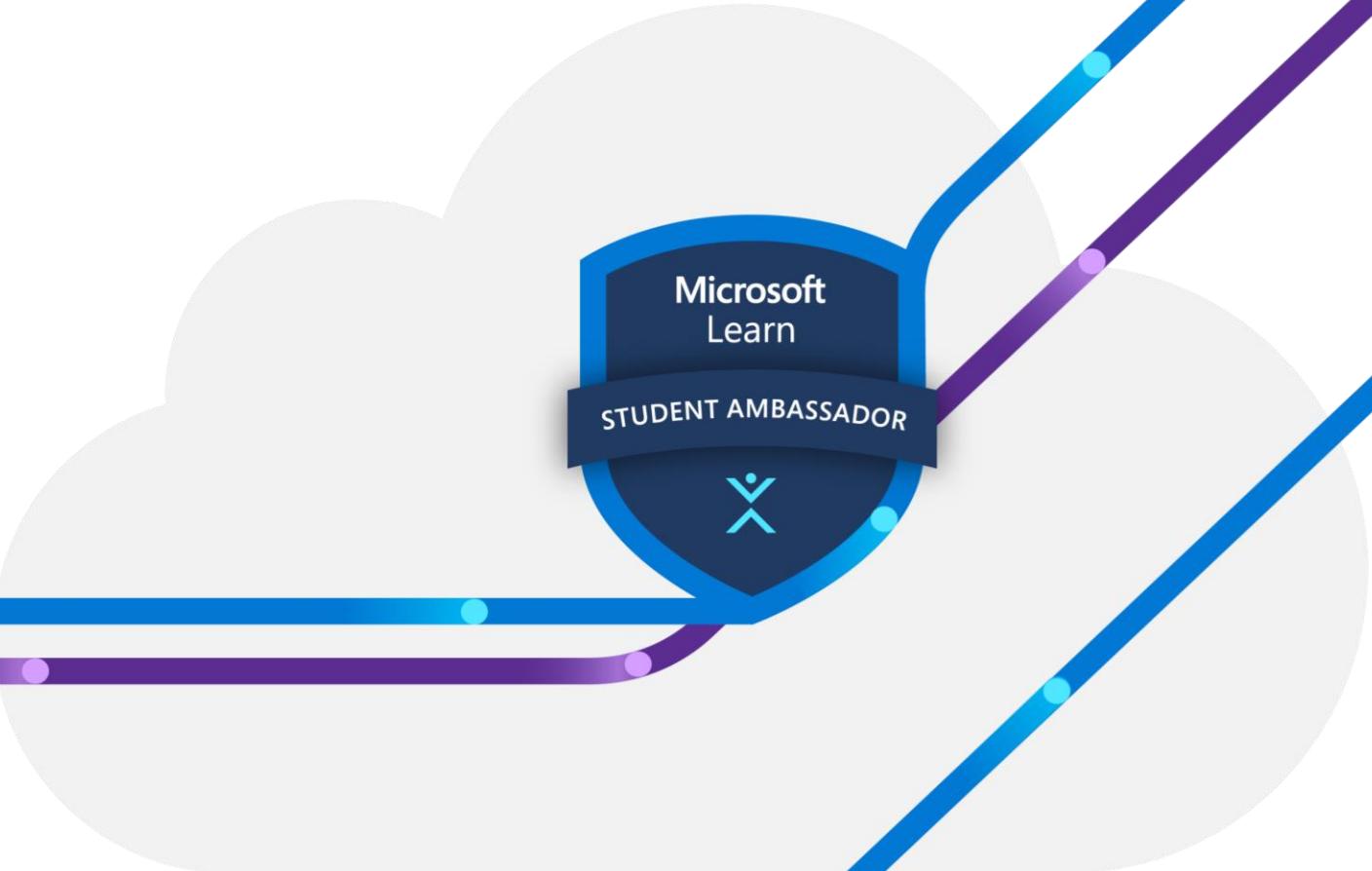
Shohag Rana



Muhammad Sakib Khan Inan







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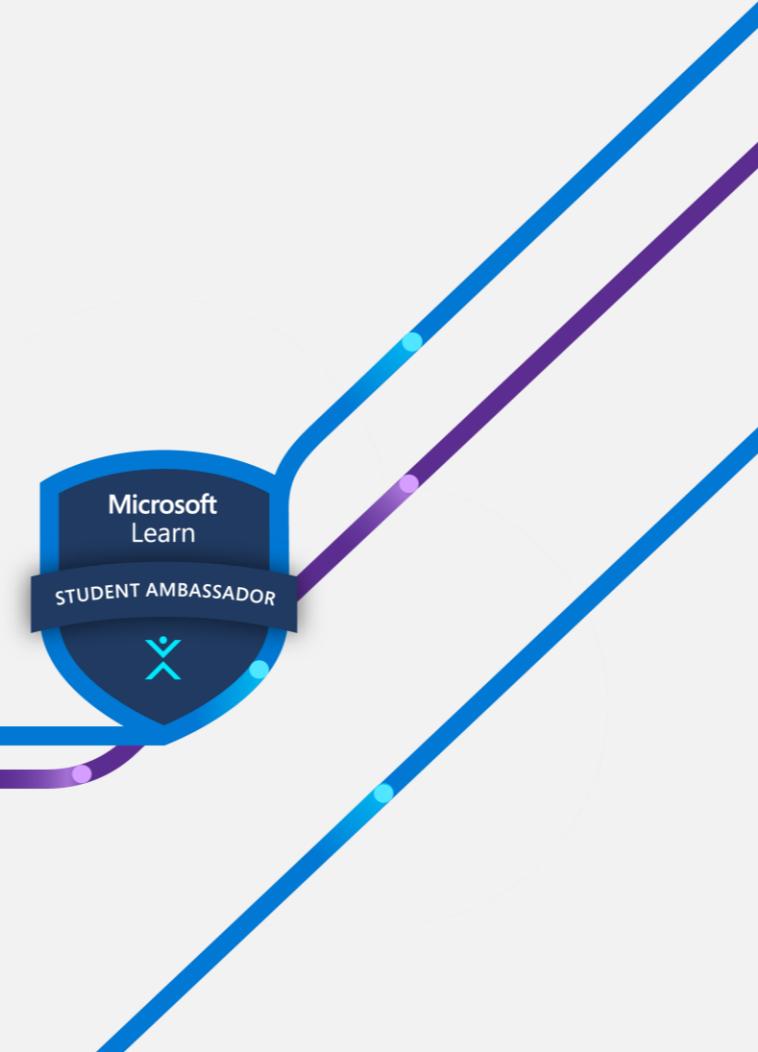


Muhammad Sakib Khan Inan



# Event name or presentation title

Joshan Pandey  
Microsoft Learn Student Ambassador



# “Becoming a Microsoft Learn Student Ambassador: My Journey and Opportunities”



## About Me:

- Master's Degree in Information Systems.
- Transitioning from a business/Finance background to Information Technology.
- No prior experience in coding, eager to learn.
- Strong passion for web development.



**Joshan Pandey** (He/Him) · 1st  
IT Student Exploring Emerging Technologies| Frontend Dev  
Enthusiast | Microsoft Student Ambassador(β)  
Sydney, New South Wales, Australia · [Contact info](#)

Australian Institute of  
Higher Education



# Exploring MLSA Program



A global community of students passionate about building AI-driven solutions using Microsoft technology.



Opportunities to accelerate innovation, grow skills, and impact projects and communities.



A student-focused program designed to empower students to become advocates and leaders in the tech ecosystem.



- Student Ambassadors collaborate with Microsoft to help fellow students learn about technology and engage with various Microsoft technologies and services.



Ambassadors are not employees of Microsoft but work closely with the company and have access to resources, training, and support.

# Benefits and Opportunities



## Unlock Your Potential:



- Build AI-driven solutions with Microsoft 365, Visual Studio Enterprise, and Azure.



- Lead local communities and grow your online presence.



## Community and Networking:



- Connect with fellow MLSA's, tech enthusiasts, AI innovators, and entrepreneurs worldwide.



- Share ideas, solve challenges, and expand your influence.



## Additional Benefits:



- Networking opportunities, skill development, and recognition within the tech community.

# Personal and Community Experience

## **My Journey:**

- Learning and working with AI has been a transformative experience.
- Engaging with like-minded students on similar journeys has enriched my understanding and skills.

## **Professional Growth:**

- Enhance your resume, personal growth, and professional skills.
- Access to Microsoft for Startups Founders Hub with \$2500 of OpenAI credits and up to \$150k of Azure credits.

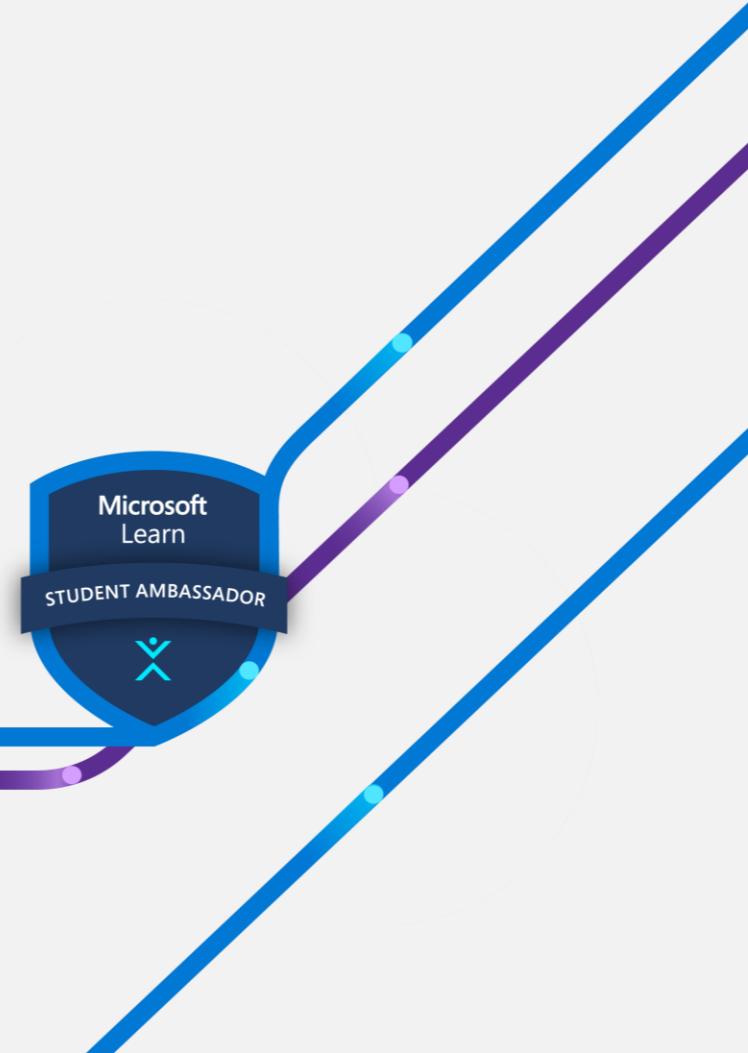
## **Learning Opportunities:**

- Microsoft Learn Student Hub: Build AI-driven solutions.
- Microsoft Reactor: Learn from developers and startups through global events.
- Imagine Cup: Student competition for visionary entrepreneurs building with AI.



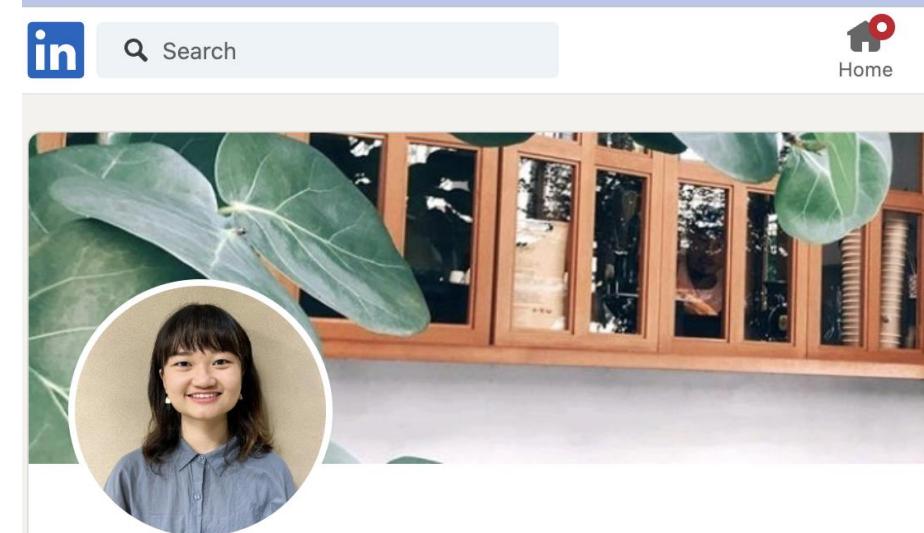
# Microsoft Learn Student Ambassadors

Hsiao (Sylvia) Han Huang  
Microsoft Learn Student Ambassador



# A little about me

- Currently studying Data Analytics at Macquarie University
- Marketing background
- No coding experience before

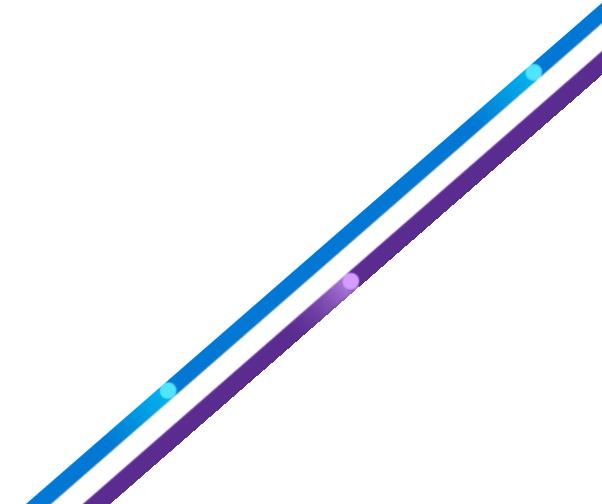


**Hsiao Han Huang**  (She/Her)

Student Ambassador@Microsoft | Data Analyst Intern @ BT Financial Group | MS of Business Analytics@Macquarie

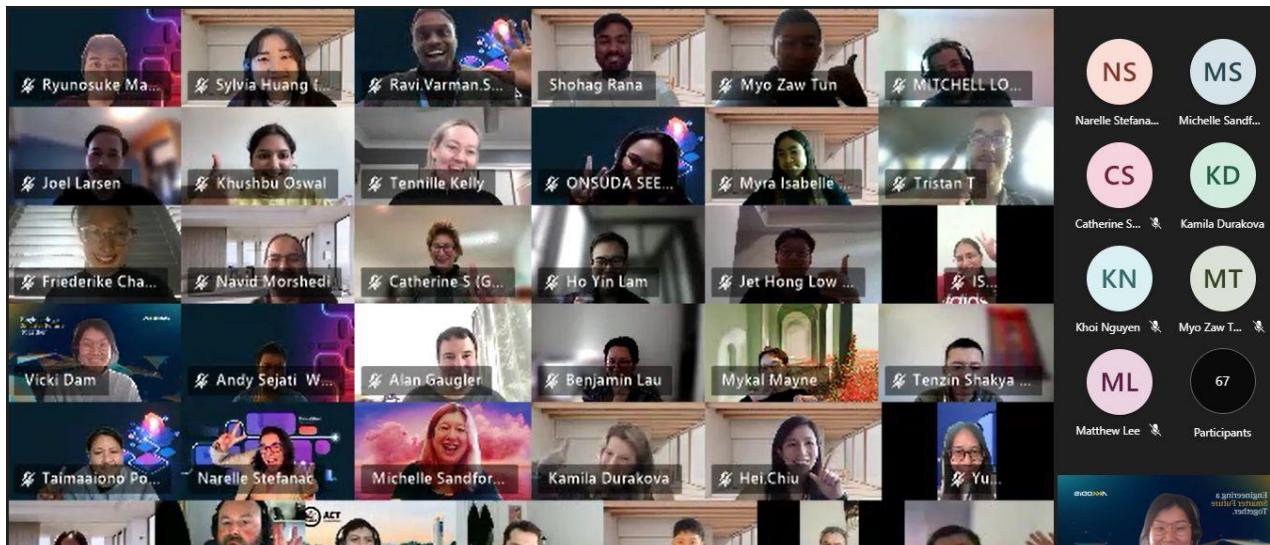
# Challenges I faced on my machine learning journey:

- Where should I start with this massive amount of information?
- What do I need to learn specifically?
- How can I effectively absorb this complicated knowledge?
- How do I stand out in the job market as a non-technical person?



# Starting small

- Well- structured content
- Connect with industry experts
- Certification that proves my skills!
- Joined the Data Bootcamp in 2023 July



## Course Transcript

### Microsoft Azure Data Fundamentals (DP-900)

#### Learning Resource

##### \*LIVE\* Welcome to the Microsoft Skills & Certification Bootcamp

Winter School Microsoft Bootcamp (powered by Akkodis Academy)

##### \*LIVE\* Student Drop-In Call (optional)

Winter School Microsoft Bootcamp (powered by Akkodis Academy)

##### Identify data formats (5min)

Winter School Microsoft Bootcamp (powered by Akkodis Academy)

##### File storage (5min)

Winter School Microsoft Bootcamp (powered by Akkodis Academy)

##### Databases (5min)

Winter School Microsoft Bootcamp (powered by Akkodis Academy)

##### Transactional data processing (5min)

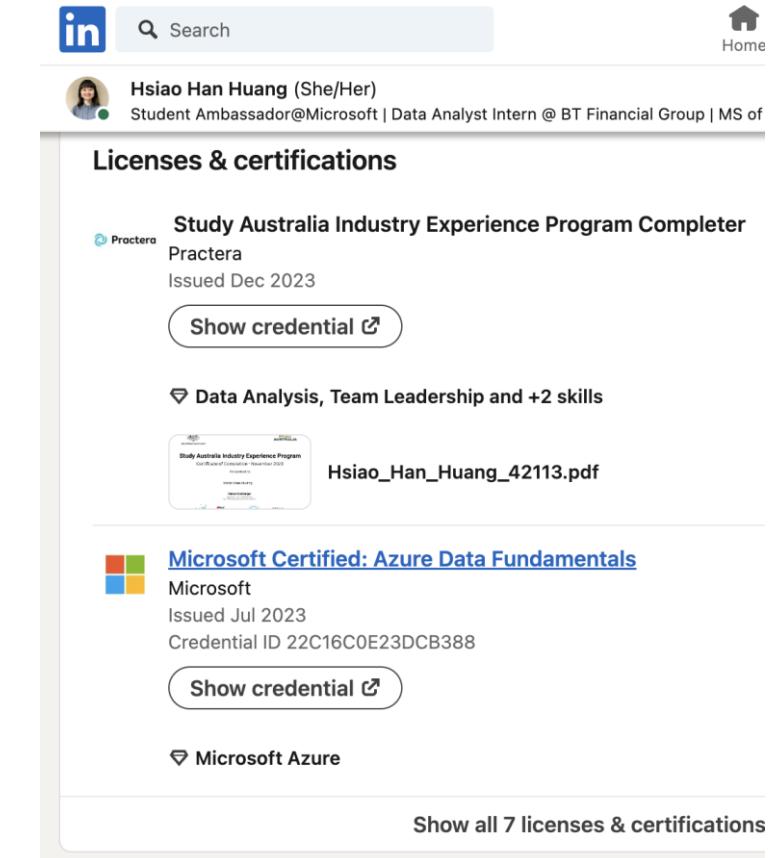
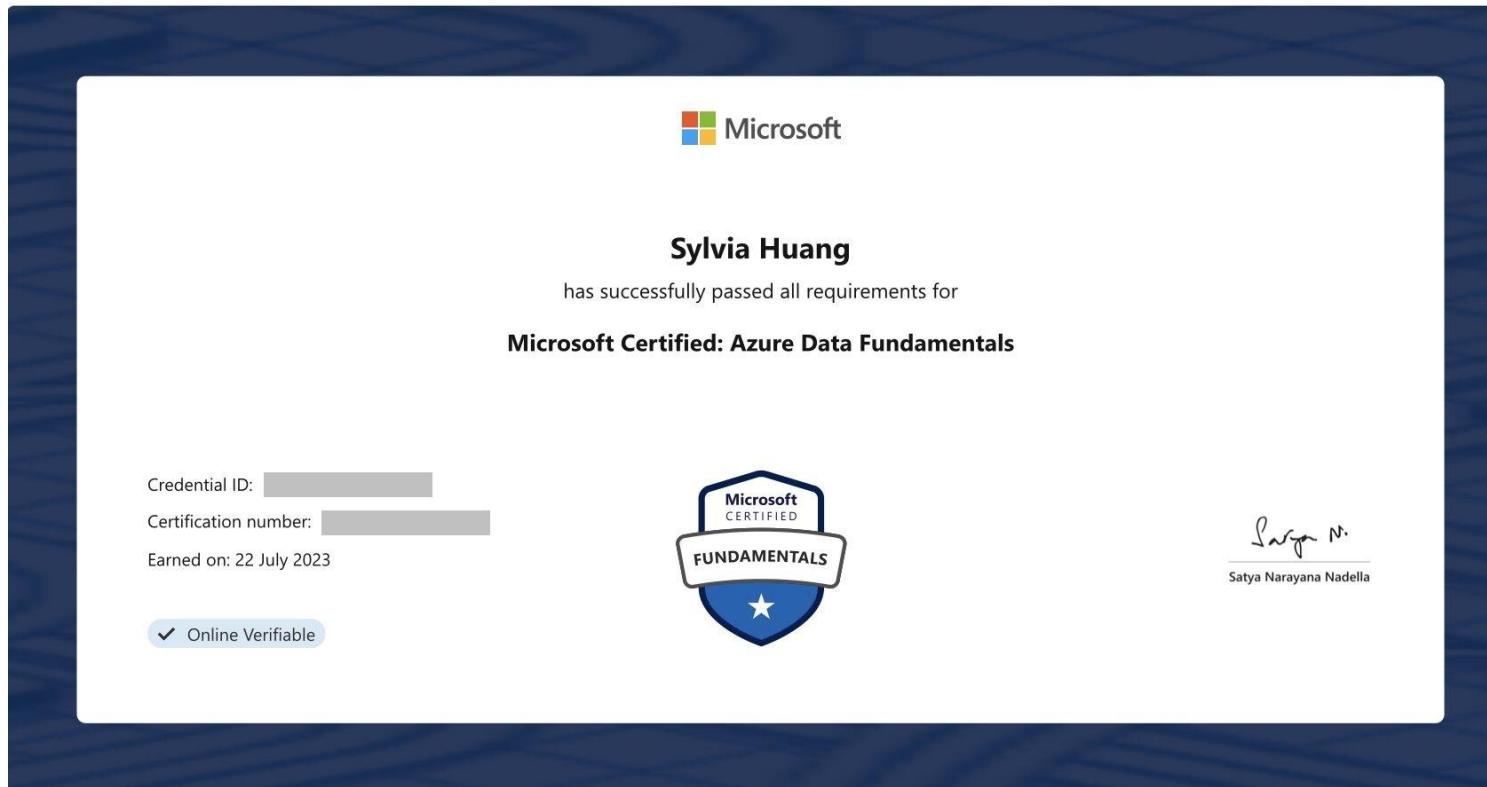
Winter School Microsoft Bootcamp (powered by Akkodis Academy)

##### Analytical data processing (5min)

Winter School Microsoft Bootcamp (powered by Akkodis Academy)

# Starting small

- Passed the Microsoft Data Fundamental exam
- Got the certification!



A screenshot of a LinkedIn profile for "Hsiao Han Huang (She/Her)". The profile shows "Student Ambassador@Microsoft | Data Analyst Intern @ BT Financial Group | MS of". Under the "Licenses & certifications" section, it lists:

- Study Australia Industry Experience Program Completer** (Issued Dec 2023) - [Show credential](#)
- Data Analysis, Team Leadership and +2 skills** (Issued Jul 2023) - [Show credential](#)
- Microsoft Certified: Azure Data Fundamentals** (Issued Jul 2023, Credential ID 22C16C0E23DCB388) - [Show credential](#)
- Microsoft Azure**

At the bottom right, there is a link to "Show all 7 licenses & certifications".



# It's your chance! Join the 2024 Winter School Data & AI Bootcamp!

## Benefits of joining the Winter School Bootcamp

- Industry-recognised Microsoft certification
- Interactive Data & AI demos - Computer Vision, GenAI, Data Visualisation and more!
- Meet Industry Experts
- Career Development sessions
- Access to the Microsoft Bootcamp Talent Community on LinkedIn
- Fully online/virtual



"Overall it was an amazing bootcamp, the live sessions were really well set up, it was easy to navigate the learning modules and ALL of the hosts/speakers were absolutely brilliant!"

Annie

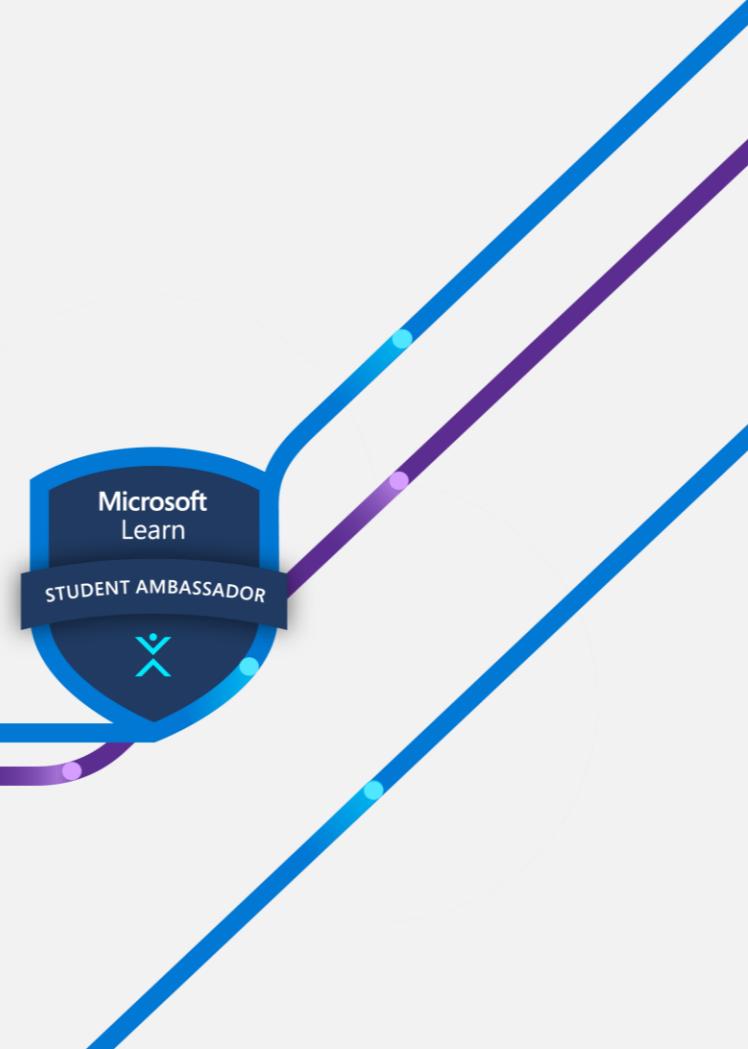
Bootcamp Participant, Summer School 2024

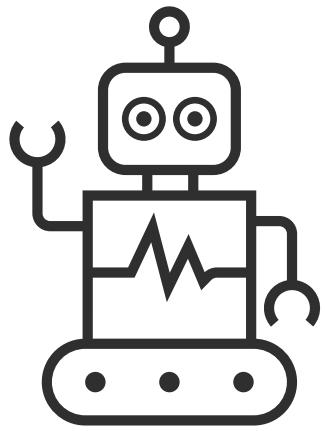


Apply now! Bootcamp runs 1 Jul – 12 Jul 2024  
<https://www.tech-academy.com.au/winterschool2024-home>

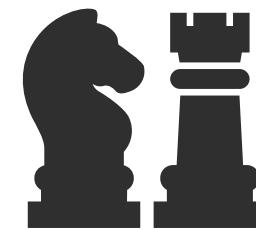
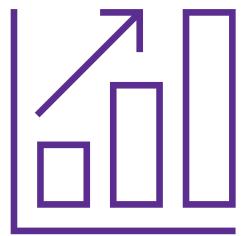
# How to get started with AI? & From Where?

Muhammad Sakib Khan Inan  
Microsoft Learn Student Ambassador





# What is AI ?



BONUS = Computer Programming \ Technical Skills

AI > Math >

Statistics + Probability + Linear  
Algebra + Calculus



# Who are you ?

- I have math skills but not programming or technical skills
- I have technical skills but not interested in learning / understanding complex math logics
- I don't have any technical programming skills and I hate math !!!



	User / Customer / Business Analyst	Software Developer / Engineer	AI Researcher / Scientist
Task	Use existing AI tools	Build AI applications over existing methods	Improve or create new AI algorithms
Usage Scenarios Understanding	Required	Required	Required
In-depth Math Knowledge	Not Required	Rarely required	Mostly Required
In-depth technical skill (e.g. Programming)	Not Required	Mostly Required	Mostly Required
AI Ethics	Required	Required	Required
Use of General Commonsense (Human)	MUST !!!	MUST !!!	MUST !!!



Learn

Discover

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MICROSOFT LEARN

# AI learning hub

Microsoft Learn is your trusted source to help you get skilled up and ready to power AI transformation with the Microsoft Cloud.

Learn ChallengeSkills for organizationsOfficial PlansTraining eventsAI by roleAI by technologyCredentialsTraining Services Partners

## Featured content

<https://learn.microsoft.com/en-us/ai/>

## Learn AI based on your role

Find curated training resources based on your main professional focus.

### Business leader

Leads AI strategy and adoption in an organization.

### Technical leader

Leads AI strategy and adoption, with focus on technology adoption.

### Business user / functional consultant

Uses AI technologies, like copilots, or helps implement AI technologies.

### Developer / AI engineer / software architect

Builds AI solutions and apps.

### Citizen developer

Builds low-code AI apps.

### Data scientist / ML engineer

Implements data science and machine learning solutions.

### Data engineer / data analyst

Implements end-to-end analytics and data engineering to prepare for AI solutions.

### IT professional

Takes care of infrastructure needed to implement, deploy, secure, and manage AI solutions.

## Learn by technology

Find curated training resources for key AI technologies.



### Azure Machine Learning and AI Builder

Discover tools for building and running your own models from your own data while...



### Microsoft Copilot for Security

Explore Microsoft Copilot for Security to bring the full power of OpenAI architecture to defend...



### Responsible Generative AI

AI is a unique and potentially disruptive technology, so it needs to meet the highest...



### Microsoft Copilot Studio

From design to deployment, learn how to build your own copilot using Copilot Studio an...



### Copilot for Microsoft 365



### Copilot for Dynamics 365



### Github Copilot



### Make your data AI friendly with AI Generated Data



## Introduction to AI for business users

2400 XP

2 hr 7 min • Learning Path • 2 Modules

Beginner Business User Microsoft 365 Microsoft Power Platform

To truly empower an organization with AI, business leaders need to put AI in the hands of everyone, not just developers and data scientists.

### Prerequisites

None

Start >+ Add

### Modules in this learning path



#### Describe the capabilities of Microsoft Power BI

1000 XP

49 min • Module • 9 Units

<https://learn.microsoft.com/en-us/training/paths/introduction-ai-for-business-users/>



OFFICIAL COLLECTION

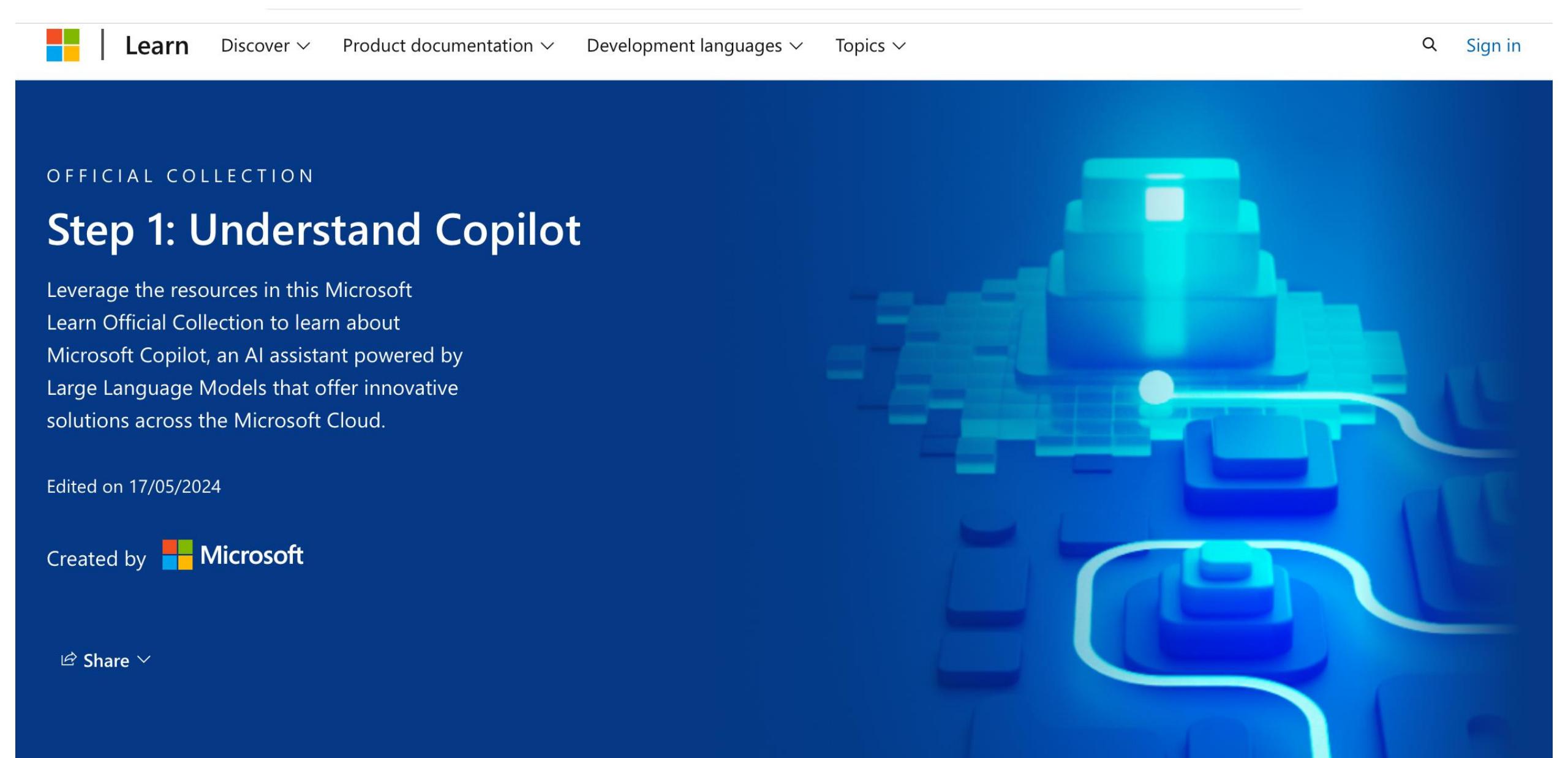
# Step 1: Understand Copilot

Leverage the resources in this Microsoft Learn Official Collection to learn about Microsoft Copilot, an AI assistant powered by Large Language Models that offer innovative solutions across the Microsoft Cloud.

Edited on 17/05/2024

Created by  Microsoft

 Share ▾



Items in this collection

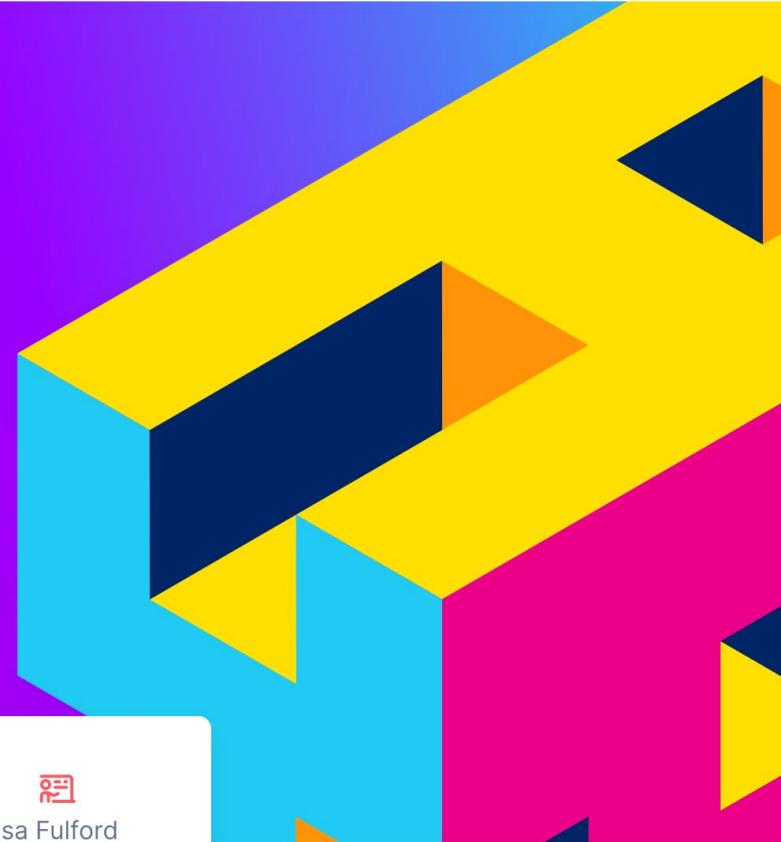
<https://learn.microsoft.com/en-gb/collections/7rmiy0yrnw8d6>

SHORT COURSE

# ChatGPT Prompt Engineering for Developers

[Learn for Free](#)

IN COLLABORATION WITH

 Beginner 1 Hour Isa Fulford  
Andrew Ng

Learn prompt engineering



Discover new ways to use



Gain hands-on practice

# For developers and researchers

- Core Python Programming
- ML Libraries: Tensorflow, Pytorch, Scikit-learn etc.
- Cloud Computing: Azure, Google Cloud, AWS etc.
- **(Researchers only)** Read Scientific Publications, follow other researchers !!!



 **ML-For-Beginners** Public Watch 1k Fork 13.8k Starred 67.7k main ▾  4 Branches  0 Tags Go to file Add file ▾ Code ▾ **BethanyJep** Merge pull request #744 from microsoft/dependabot/npm\_and...   d33a093 · last week  1,659 Commits .devcontainer adding a preconfigured devcontainer for codespace usage 3 years ago .github Create generator-generic-ossf-slsa3-publish.yml 2 months ago 1-Introduction fixed some typos in introduction/intro-to-ML/README.fr.md 2 months ago 2-Regression updated the html and rmd files from ipynb file 9 months ago 3-Web-App Update 2 years ago 4-Classification fixed hyperlinks- point to r html files now last year 5-Clustering Fix 5-2 Seaborn Lineplot call 2 weeks ago 6-NLP Fixed hyperlinks last year 7-TimeSeries Moved hyperlink from heading to text last year 8-Reinforcement Removed broken link last year 9-Real-World Merge pull request #663 from Vidushi-Gupta/main last year docs SVR lesson edits 3 years ago images fix: Update favicon image (#459) 3 years ago**About**

12 weeks, 26 lessons, 52 quizzes,  
classic Machine Learning for all

 [microsoft.github.io/ML-For-Beginners/](https://microsoft.github.io/ML-For-Beginners/)

 python  education  data-science

 machine-learning  r  scikit-learn

 machine-learning-algorithms  ml

 machinelearning  machinelearning-python

 scikit-learn-python

 Readme

 MIT license

 Code of conduct

 Security policy

 Activity

 Custom properties

 67.7k stars

 1k watching

 13.8k forks

Report repository

**Releases**



Home > Browse > Data Science > Machine Learning

**Stanford** | DeepLearning.AI

# Machine Learning Specialization

#BreakIntoAI with Machine Learning Specialization. Master fundamental AI concepts and develop practical machine learning skills in the beginner-friendly, 3-course program by AI visionary Andrew Ng

Taught in English | [21 languages available](#) | Some content may not be translated



Instructors: [Andrew Ng +3 more](#)  
[Top Instructor](#)

**Enroll for Free**  
Starts Jun 12

Financial aid available

**427,578** already enrolled

## Specialization - 3 course series

Get in-depth knowledge of a subject

**4.9 ★** (22,945 reviews)

**Beginner level**

Recommended experience [①](#)

**2 months at 10 hours a week**

**Flexible schedule**

Learn at your own pace

**Earn degree credit**

[Learn more](#)

[View all courses](#)

About

Outcomes

Courses

Testimonials

## What you'll learn

✓ Build ML models with NumPy & scikit-learn, build & train supervised models for prediction & binary classification

✓ Build & train a neural network with TensorFlow to perform multi-class classification, & build & use decision trees & tree

Microsoft Learn  
Student Ambassadors



Muhammad Sakib Khan Inan  
PhD Candidate  
Deep Learning for IoT Sensor Data Analytics

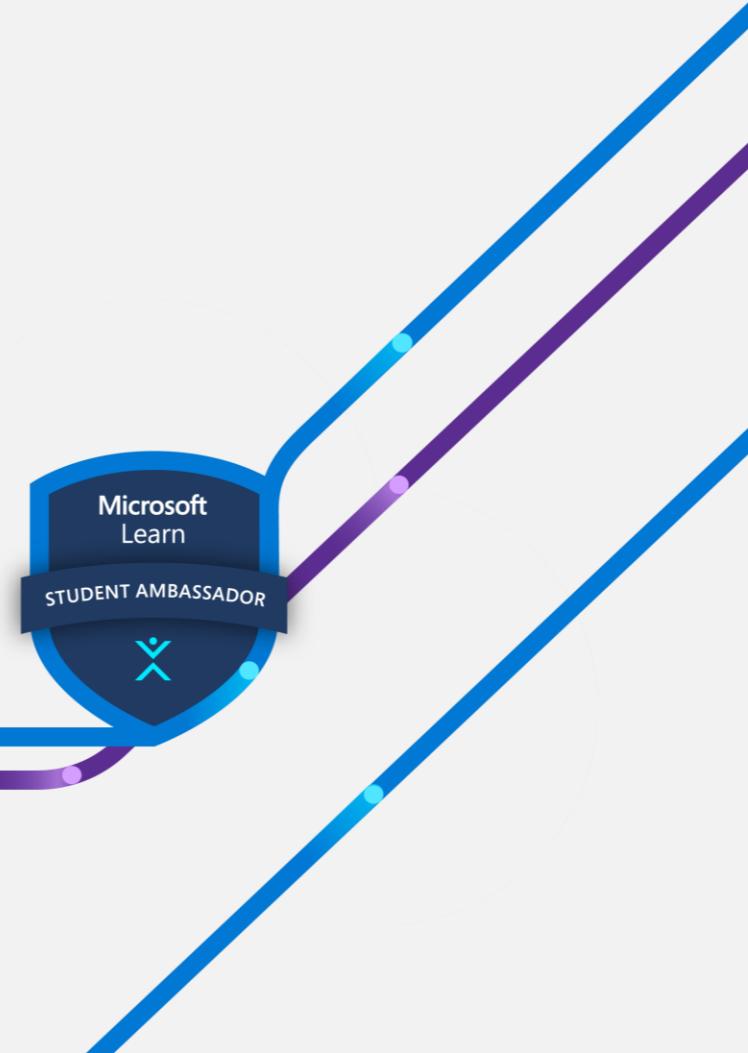
Australian Catholic University (ACU)  
North Sydney, NSW

 [linkedin.com/in/skinan](https://linkedin.com/in/skinan)



# Microsoft Learn Student Ambassadors

Shohag Rana  
Microsoft Learn Student Ambassador



# About Me

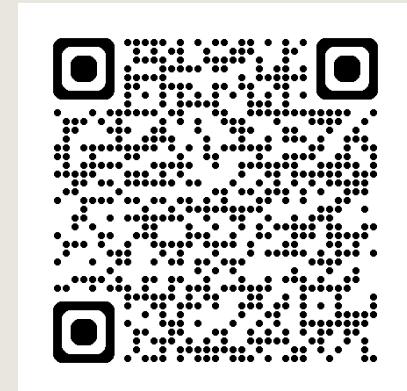
Part-Time Tutor at UTS  
Ex System Engineer

- Masters in IT majoring Cyber Security
- Eager to attend hackathons and competitions
- 1<sup>st</sup> place in AI Hackathon and Runners-up in Cloud Marathon



Shohag Rana

Connect With Me  
on LinkedIn



# AI and Hackathons

Using the skills you learnt from the workshops and certifications, why not utilize these skills in different competitions such as Hackathons? People generally join hackathons for **Skill Development, Networking Opportunities, Real-World Problem Solving, Prizes and Recognition.**



## Microsoft Generative AI Hackathon

This virtual hackathon is focused on creating innovative solutions using generative AI and multimodal applications. Participants can utilise tools like Azure AI Studio, GPT-4 Turbo with Vision, DALL-E 3, and GitHub Copilot. The event offers up to \$15,000 in cash prizes, Azure credits, and a chance to showcase projects at Microsoft Build 2024. The hackathon is open to developers in the U.S., and runs until May 6, 2024.

## Hack Together: The Microsoft Fabric Global AI Hack

This event invites developers to build AI solutions using Microsoft Fabric and Azure OpenAI. The hackathon includes various workshops and offers prizes such as conference passes, cash rewards, and Microsoft swag. Submissions are open until March 3, 2024.

## Microsoft Developers AI Learning Hackathon

Running from April 15 to June 17, 2024, this global online hackathon aims to enhance participants AI skills. Developers will build AI copilots using Azure Cosmos DB for MongoDB and compete for up to \$10,000 in prizes. Participants will also earn a badge to showcase their AI expertise.

# Microsoft for Startup Founders Hub

Supports Startups from idea to implementation. The Key benefits include:

## Key Benefits



Microsoft  
for Startups

\$150k (USD) Azure credits

\$2500 OpenAI Credits

Technical Support

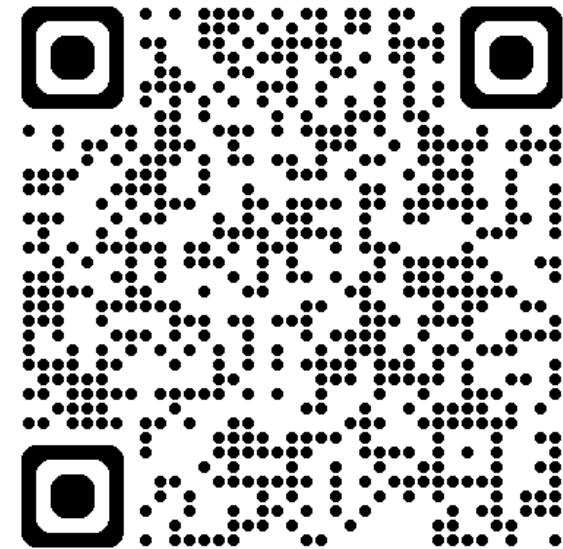
Access to OpenAI GPT-4, Llama 2

30+ additional free tools including  
M365, Github, LinkedIn, Visual Studio,  
Power Platform

1:1 Meetings with experts

- **Build with up to \$150k of Azure credits** and offers for 30+ tools and services with more credits and benefits as you grow.
- **Put credits toward Azure AI Studio** — the most comprehensive set of AI models, including OpenAI GPT-3.5 Turbo, GPT-4, and Llama 2 by Meta.
- **Work through technical and business challenges** in free 1:1 sessions with Microsoft experts.

# Microsoft for Startups Founders Hub



Sign up in minutes at [startups.microsoft.com](https://startups.microsoft.com)

# About Me

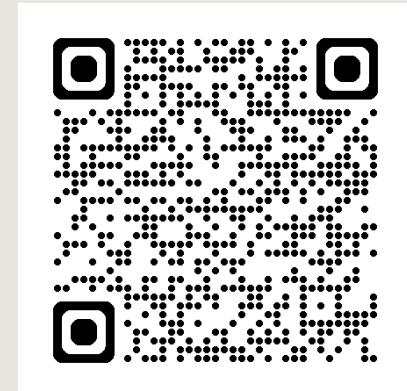
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Microsoft Learn  
Student Ambassadors

# Student in Tech Community Quiz

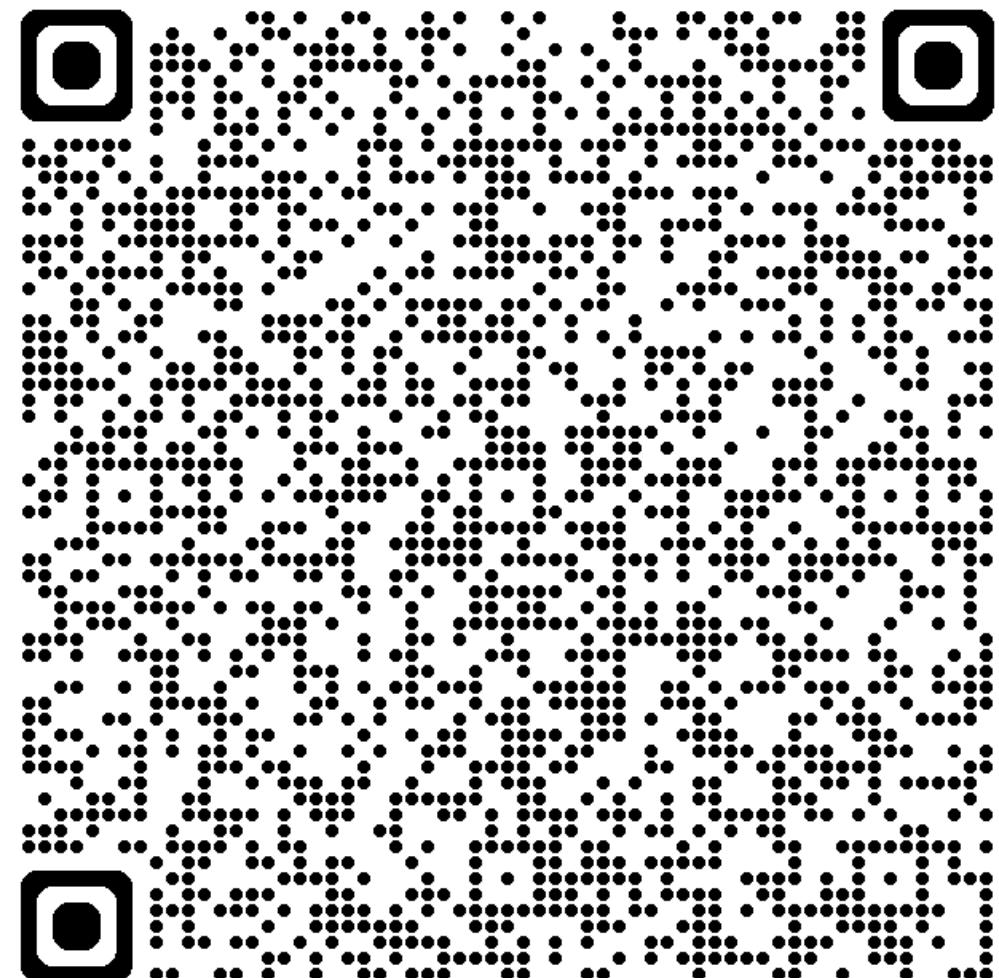


<https://forms.office.com/r/rRpj9vyaut>

## Upcoming events

**Build your own AI-Powered Web App  
Workshop with Microsoft - UTS Tech  
Festival 2024**

Tue 25th Jun 2024  
10:30 am - 1:00 pm AEST

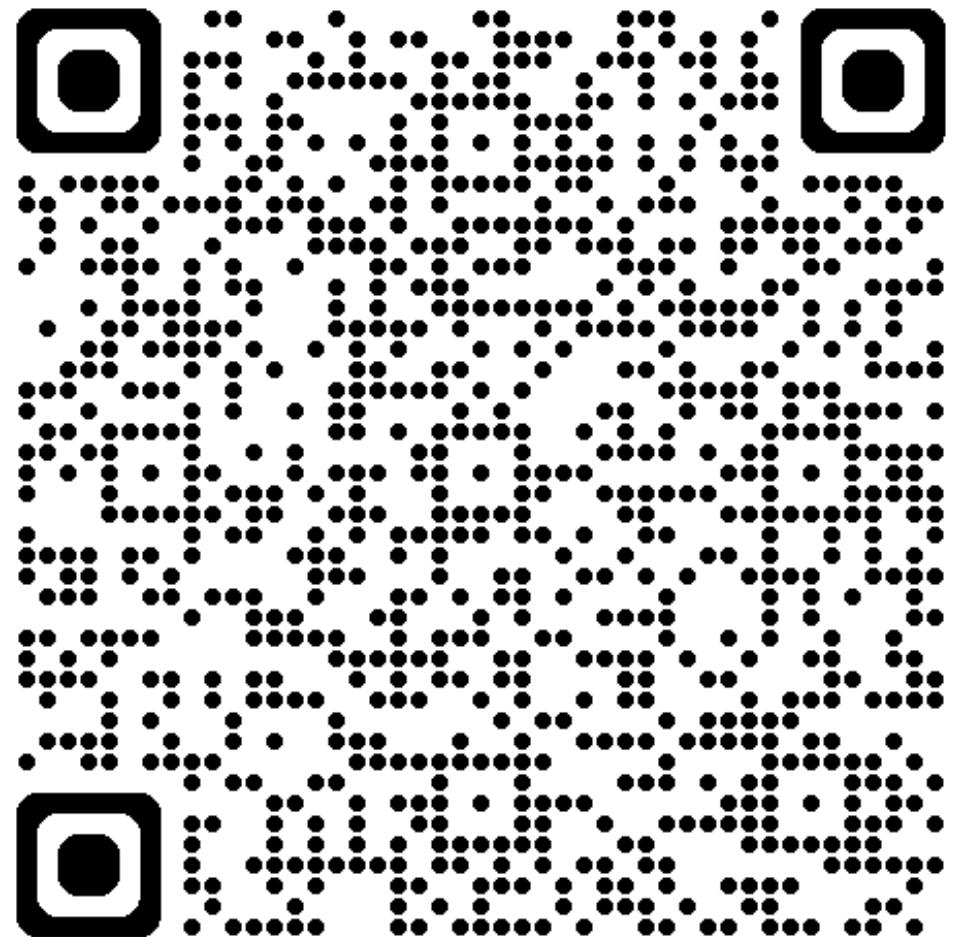


Microsoft Learn  
Student Ambassadors

## Upcoming events

**Become a Microsoft Learn  
Student Ambassador**

Tuesday 25 June 4PM



# Apply today!

[StudentAmbassadors.com](https://StudentAmbassadors.com)

 Microsoft | MVP Communities [Student Ambassadors](#) Most Valuable Professionals Regional Directors Nominate

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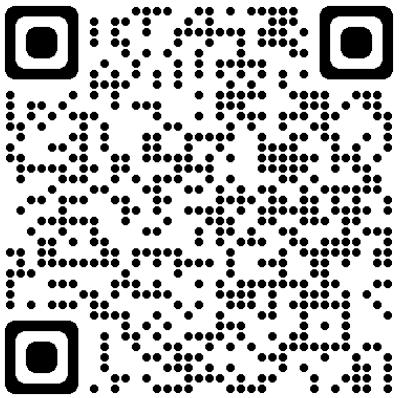


## Microsoft Learn Student Ambassadors

[Become a Student Ambassador](#)

Join our global community of students who are passionate about building AI-driven solutions with Microsoft technology. Accelerate innovation and grow the skills you need to have greater impact in the projects and communities that matter to you.

[Get Started >](#)

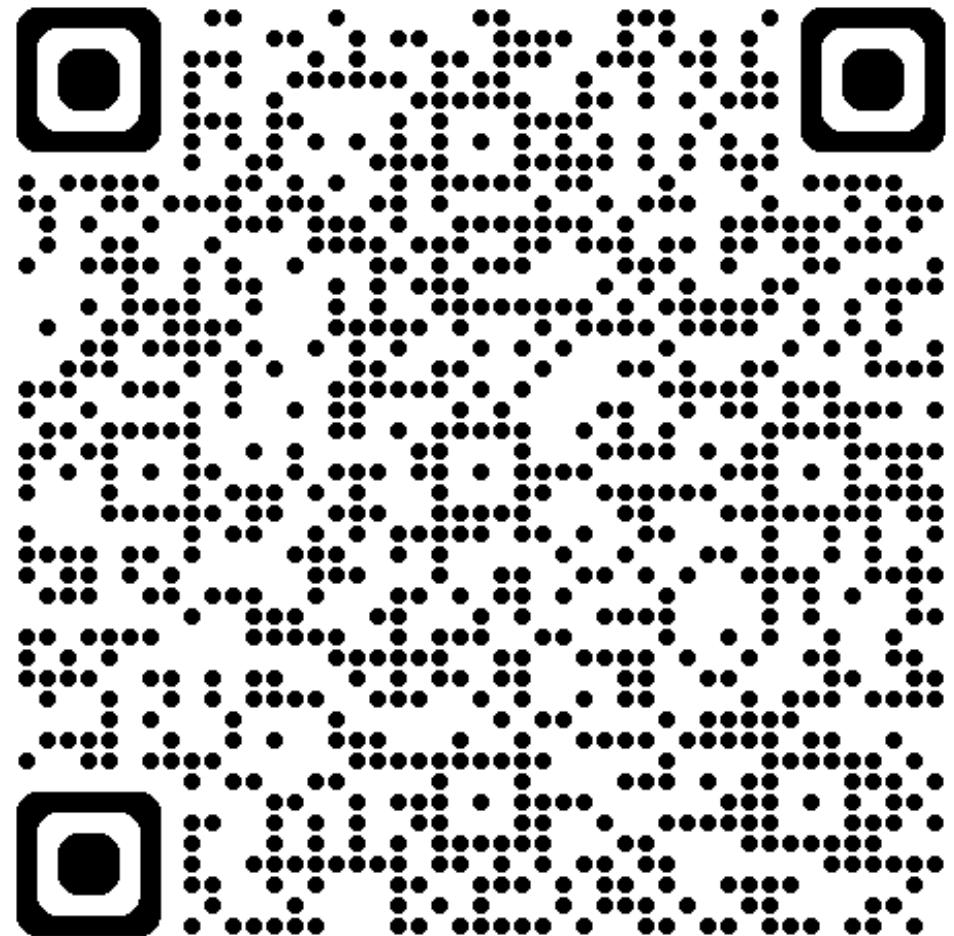


Microsoft Learn  
Student Ambassadors

## Upcoming events

**Become a Microsoft Learn  
Student Ambassador**

Tuesday 25 June 4PM





# Reactor

S Y D N E Y

## Join our community

 [meetup.com/Microsoft-Reactor-Sydney/](http://meetup.com/Microsoft-Reactor-Sydney/)



[meetup.com/Microsoft-Reactor-Sydney/](http://meetup.com/Microsoft-Reactor-Sydney/)



@MSFTReactor



<http://www.youtube.com/c/MicrosoftReactor>

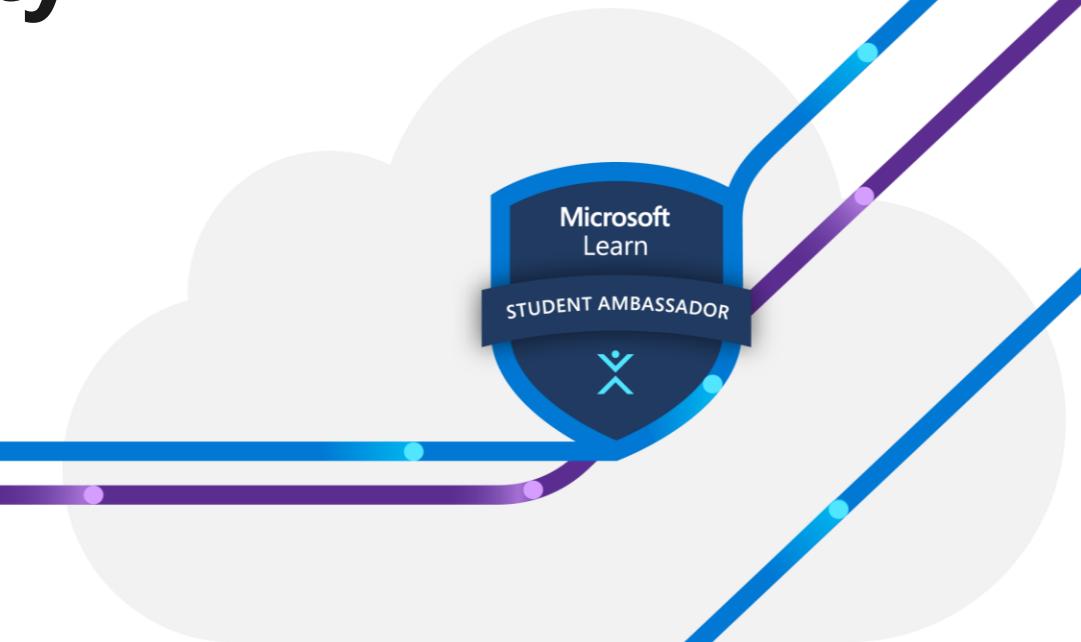


[aka.ms/ReactorEmailSignUp](http://aka.ms/ReactorEmailSignUp)

**Save the date for our next meet up!**

**Students in Tech Community**

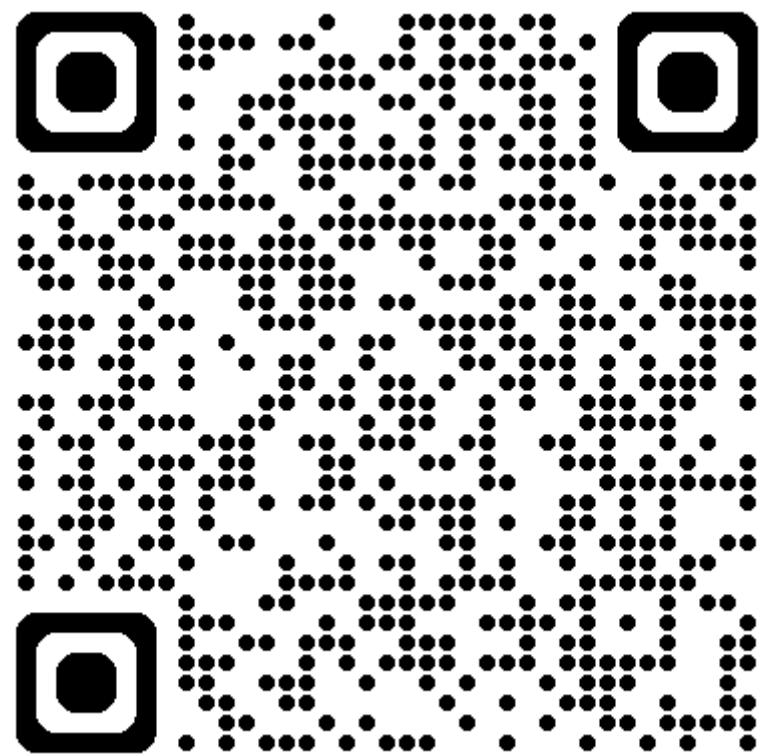
Tuesday 9 July



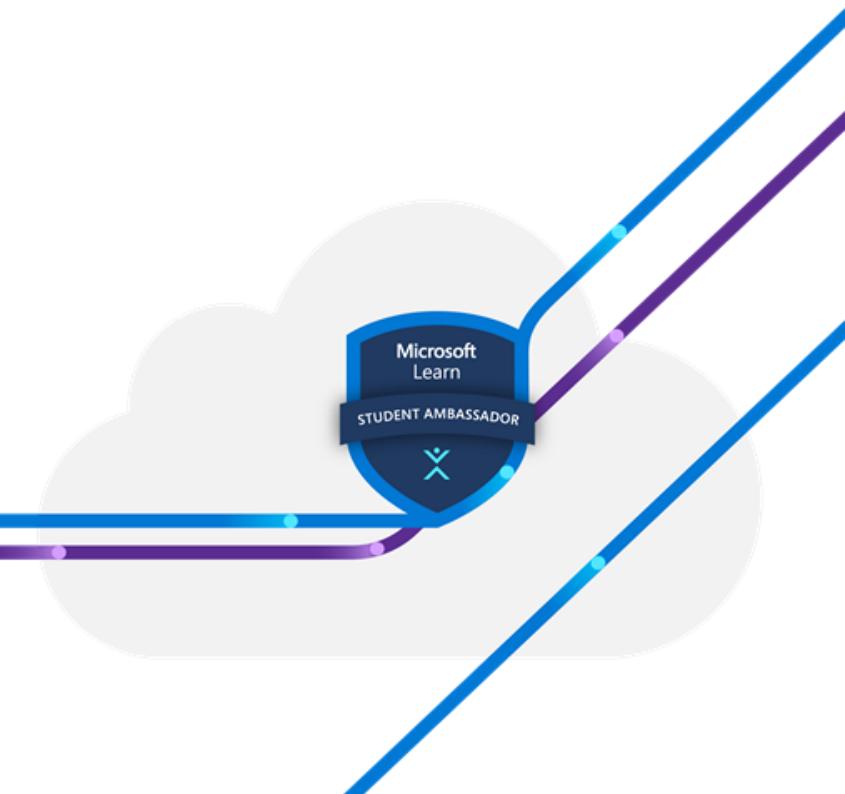
Download these slides

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# Thank you.



# Students in Tech Community

## AI, your competitive edge

Microsoft Reactor Sydney  
Thursday 13 June, 5:30PM



# Reactor



Meet the Microsoft Community Leaders



Hsiao Han Huang



Elizabeth Pappalardo



Joshan Pandey



Shohag Rana



Muhammad Sakib Khan Inan

