



Category: Employability

How might we use AI to search for and match jobs and training opportunities for people with disabilities based on their profiles and career aspirations, and informing them of such matches via a user-friendly and accessible platform? How can we further make use of AI to build, update and customize their resumes such that the resumes would be relevant to the jobs that these job seekers are applying to (for e.g., use of industry-specific terms)?

How can AI be used to train people with disabilities to be proficient in online job interviews (For e.g., video conferencing etiquette and understanding of facial expressions.)?

How can AI create wearable technology to help people with visual impairment navigate their workplaces independently? How can assistive technology for Persons with Disability improve safety and reduce occupational hazards in the workplace?

How can AI provide instantaneous accessibility for remote office applications such as those used for collaboration?

How can AI provide accessibility for online applicant assessment tools such as language assessments, verbal reasoning tests, and abstract reasoning tests?

Category: Communication

How might we use AI to create a better video-conferencing experience for persons with visual impairment (e.g., to “read” facial expressions, identify who’s speaking in a video conference etc.)?

Ahead of meltdowns, many people with autism will show signs of distress. How can we help children with autism to feel calm from emotional distress and be able to reengage with others?

How might we automatically create closed captions for offline use to help the deaf and hard of hearing community?

How might we automate speech therapy for children with speech disabilities using AI?

How can AI be integrated into an online communication or conference platform to accommodate and support people with communication and hearing impairments?

Category: Education

For a student with visual impairment, how might we use AI to recognize, organize and describe information accurately in a document that comprises text and graphics that do not have alternate text descriptions and are not arranged sequentially, in a manner that makes sense to the student? Typical screen readers require a certain sequential format of content layout and alternate text descriptions of graphics to capture and read out the information accurately.

How might we make online learning more accessible to learners with disabilities, especially from rural communities?

The Final Presentation

Judging criteria

To choose 1 winner per country

Microsoft APAC AI4A hackathon final presentation to a panel of judges from technical and non-technical fields.

Winning teams will be evaluated on 5 core criteria:

- **Attention to the needs of users with disabilities:** Should demonstrate a deep understanding of the accessibility needs of their target users and should be designed to meet those needs in innovative and effective ways.
- **Creative solutions:** The projects should demonstrate creative, original thinking and a willingness to take risks in pursuit of making a real difference for users with disabilities.
- **Technical proficiency:** Use of Microsoft cloud tech, AI, Cognitive services.
- **Real-world impact:** The projects should show potential for real-world impact and demonstrate a clear understanding of the challenges, stakeholders, and business models involved in bringing assistive technology solutions to market. Commercial plans for launch and expansion should be included.
- **Presentation and communication skills:** The students should be able to effectively communicate their ideas and present their projects in a clear, concise, and engaging way.

The final presentation needs to be in the form of a group presentation, where team members showcase:

- The idea
- Proposed technology
- Go-To-Market plan

Each team (maximum of 10 per country) will be given 10 minutes to present followed by 5 minutes of Q&A (Questions & Answers) from the judges.

What do winners get?

- Exclusive for winners only - one day online Meet the Experts training on
 - Cloud Fundamentals
 - Open AI and Chat GPT with MSFT AI Experts
 - Cybersecurity
- Champions certificate of winning from Microsoft
- Social showcase on Microsoft LinkedIn, blogs
- Customized mentoring session with Microsoft leader as per your career needs
- Dinner with Country Senior Leadership which will give you an opportunity to connect and learn.
- Azure for students [Azure for College Students](#)