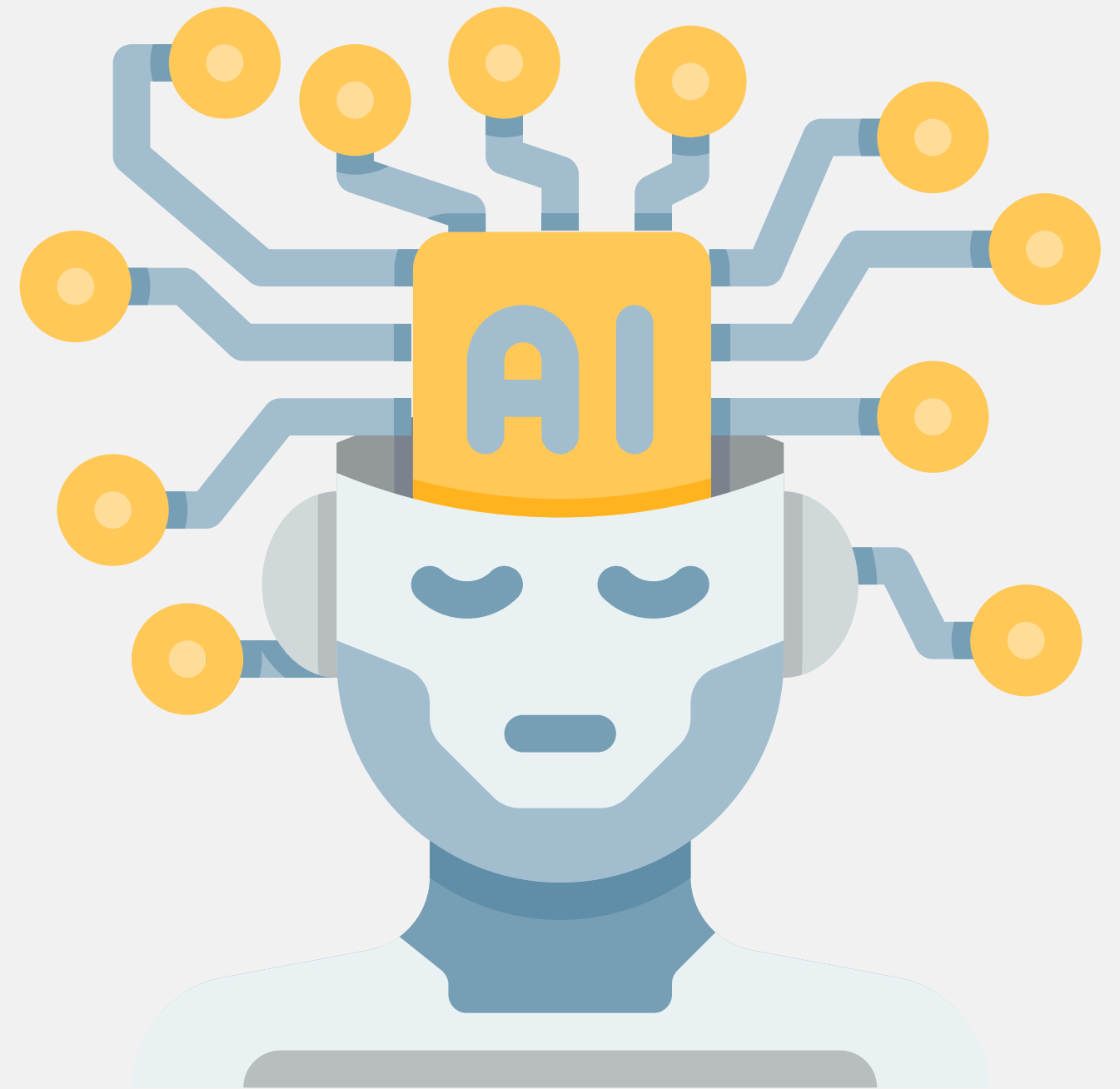


AI: Shaping the future of work

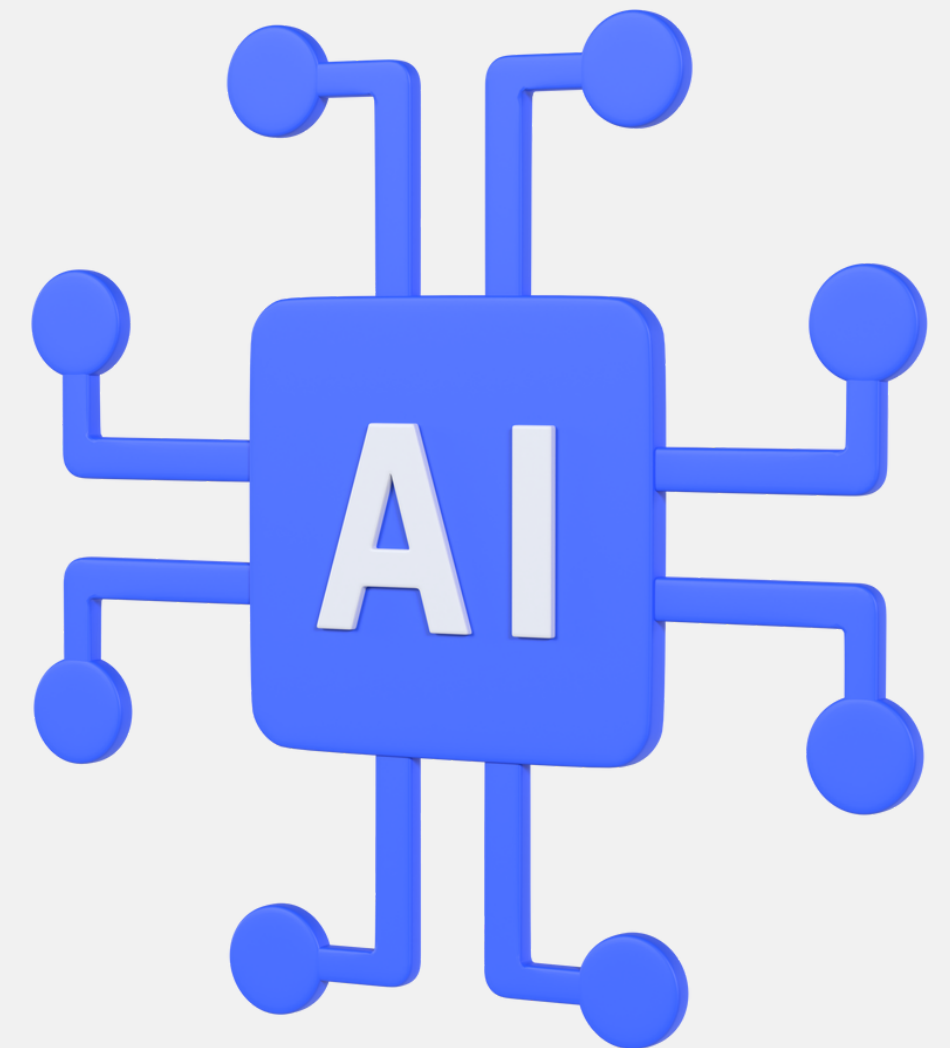
Neelaza Dahal, Sai Oku, and Saad Khan



Fundamentals of AI

The theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages

- Development of the computer systems or machine in order to perform tasks
- Enables machines to think, learn, reason, and make
- Different Fields
 - Machine Learning
 - Deep Learning
 - Natural language processing
 - Robotics
- potential to revolutionize numerous industries and domains
- continuously advancing with new technologies and applications



Generative AI

Similar to human-generated data

Can generate various outputs

Often used in creative applications

Classical AI

Conventional approach of AI

Can generate based on pre-defined rules

Often used in well-defined tasks



AI's Relevance

- Generative AI
 - Creative work
 - Images, writing
 - Intellectual work
 - Programming, Mathematical problems
- Increased people's horizons



Benefits of AI on Daily Life

- **Virtual assistants**

- Use AI to understand and respond to voice commands
- Helps us with tasks such as setting reminders, sending messages, etc.
- Make our lives more convenient

- **Healthcare**

- Diagnosing diseases, analyzing, and designing treatment plans
- Improve medical outcomes

- **Personal Finance**

- Analyze our spending habits, budgeting, and investment strategies
- Provide personalized financial advice

- **Education**

- Provide personalized learning experience and assessments
- Enhancing the quality of education





Scenario

New technology is now capable of communicating and making content in ways comparable to humans. It's called generative artificial intelligence (AI), and you can use it to excel in the workforce.

Generative AI can save you time, no matter what field you work in. It can create content for marketing, forecast numbers for finance, or code for software developers. Publicists can use it write press releases. Health professionals can even use it to improve their diagnosis. You, the worker, are still in charge, you just have more freedom to strategize, think big, and excel.

Our team has been engaged by one of the largest thinktanks to help propose policy suggestions to help minimize the potential negative impact on the jobs, industry and personal data.

Impact on Jobs

AI is considered to bring "Significant disruption" to Labor market

- "The Future of Jobs Report 2020" predicts AI will replace 85 million jobs globally by 2025.
- Same report also indicates that 97 million new roles will be created



Impact on the Industry

- **Finance**
 - AI models can make predictions and suggestions based on billions of data parameters
- **Customer Support and Services**
 - AI can mimic the voice of real human beings and situationally adapt
- **Healthcare**
 - AI can automate mundane and repetitive tasks for doctors
- **Music**
 - Artist's voices are being mimicked to generate new music
- **Transportation**
 - AI is being used to calculate routes and situationally adapt



Impact on Personal Data

AI models will need to use and store personal data to be effective

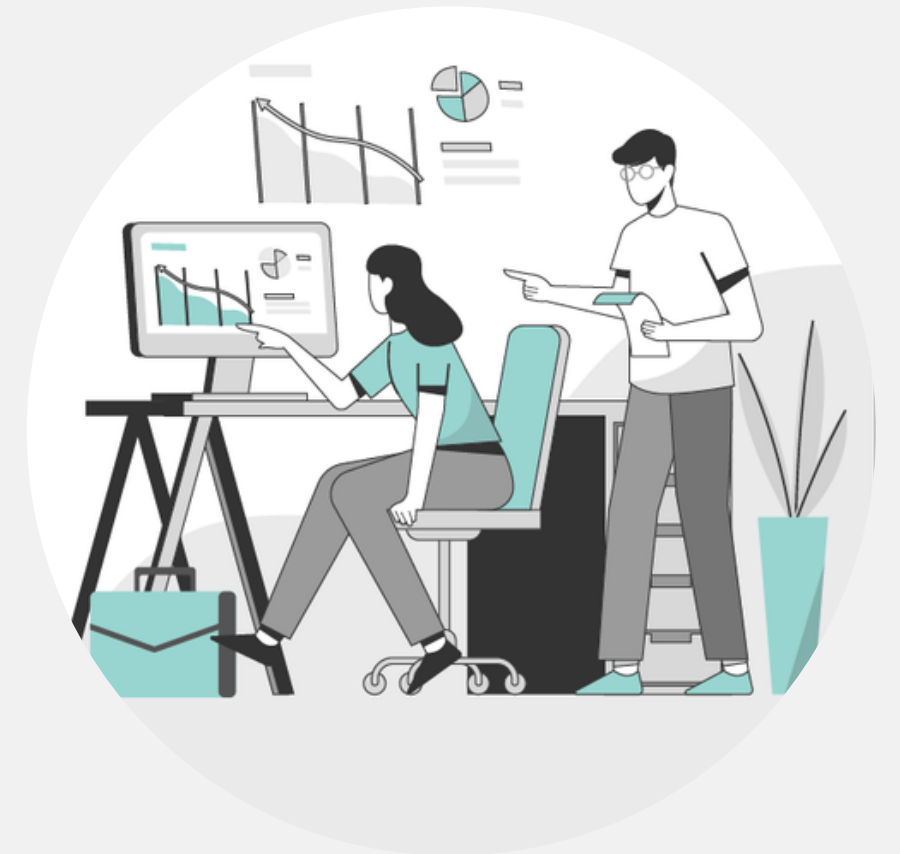
This data could be sold to marketing companies

- Increase targeted advertisement
- being tracked across devices and applications
- Increased potential for identity theft



How can we minimize impact on Jobs

- **Shifting focus**
 - re-skilling employees to have specializations
 - Reframe education systems
- **Prioritize employment**
 - focusing on entrepreneurship
 - create new jobs and industry
- **Lifelong learning**



How can we minimize impact on Personal Data

- **Minimization of data**
- **Develop Ethical Guidelines**
 - using comprehensible AI models
- **Strong security measures**
- **Monitor and enforce**
 - Develop concrete laws on AI regulation



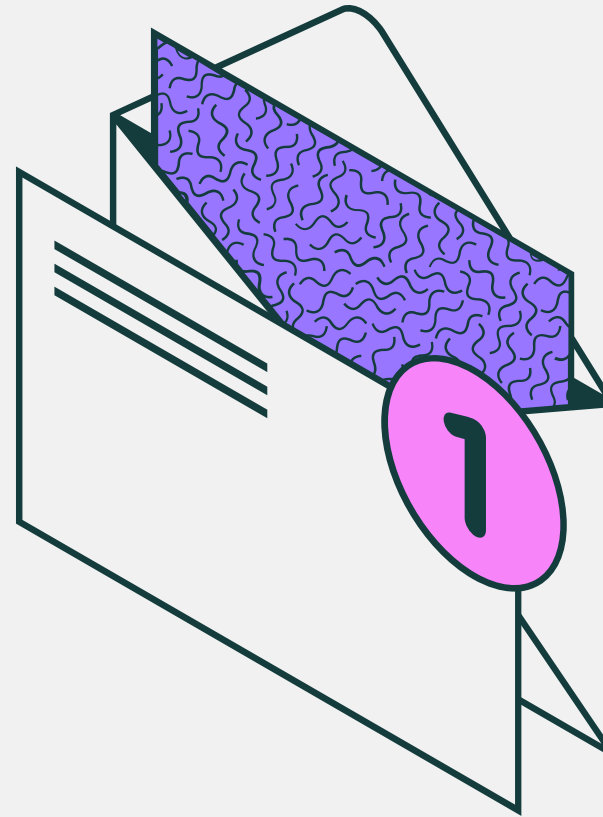
Conclusion

AI has revolutionized many industries such as:

- Educational
- Financial
- Healthcare
- Virtual Assistance
- And Many More!

To minimize the negative impact on people's jobs and personal data, we must focus on restructuring our education system and our professional skillsets. Regulating and enforcing ethical laws on AI will also prevent any potential harm to people.

Do you have any questions?



We hope you learned something new.

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