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Autonomous Vehicles: Ethics of AI

Idika Poudel *Colonel By Secondary School*

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01

Intro to AI





Artificial Intelligence



What is AI?



General AI



Narrow AI



Workings of AI

Various Steps

There are various steps involved in getting artificial intelligence to work efficiently.





Algorithms

Supervised Learning

Subcategory of machine learning and artificial intelligence.

Unsupervised Learning

Type of machine learning technique that uses AI algorithms to identify patterns in data sets that are neither classified nor labeled.

Reinforcement Learning

Machine learning training method based on rewarding desired behaviors and/or punishing undesired ones.





Autonomous Vehicles



Intro to Autonomous Vehicles



Environmental
Perception

Path Planning

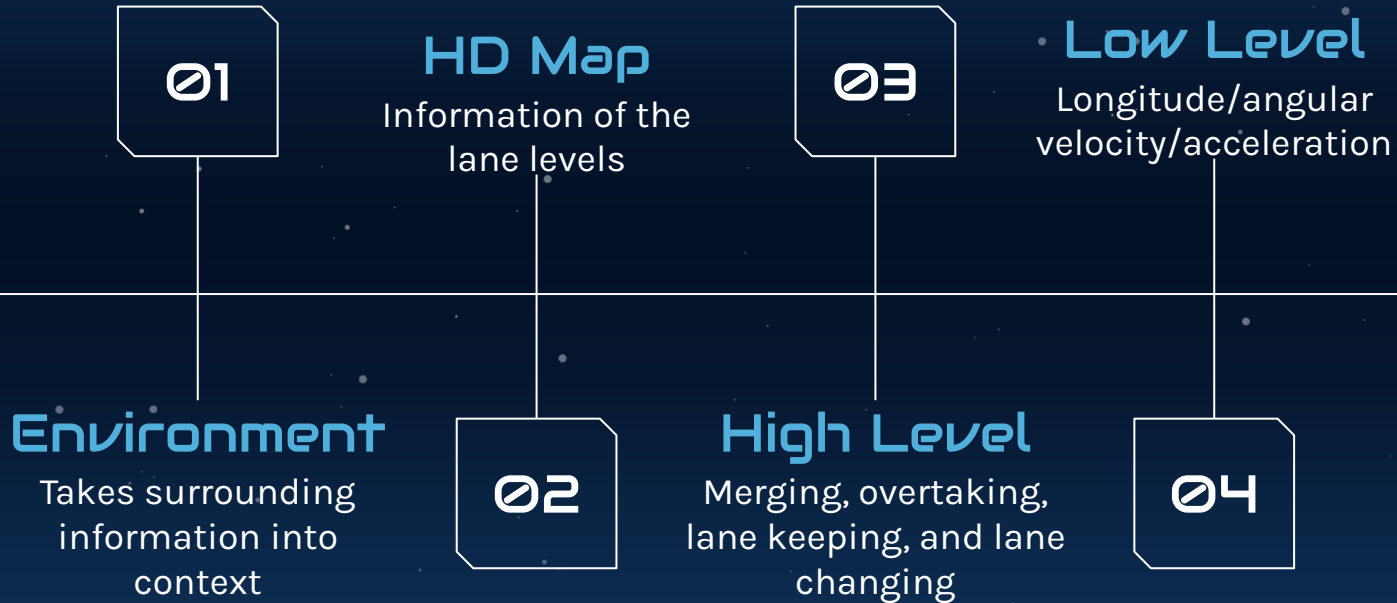


Behavioural
Decision Making

Motion Control



Decision Making Process





04

Ethics



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Ethical Dilemma



The background is a dark blue gradient with a white wireframe mesh of triangles. Several 3D cubes in shades of blue and white are scattered across the scene, some appearing to float or be part of the mesh. In the top right corner, three white plus signs are arranged vertically. In the bottom left corner, three white plus signs are arranged horizontally.

04

Conclusion



Conclusions

AI

Complex machines
capable of intelligence
beyond human control

Algorithms

Essential to learning in
machines

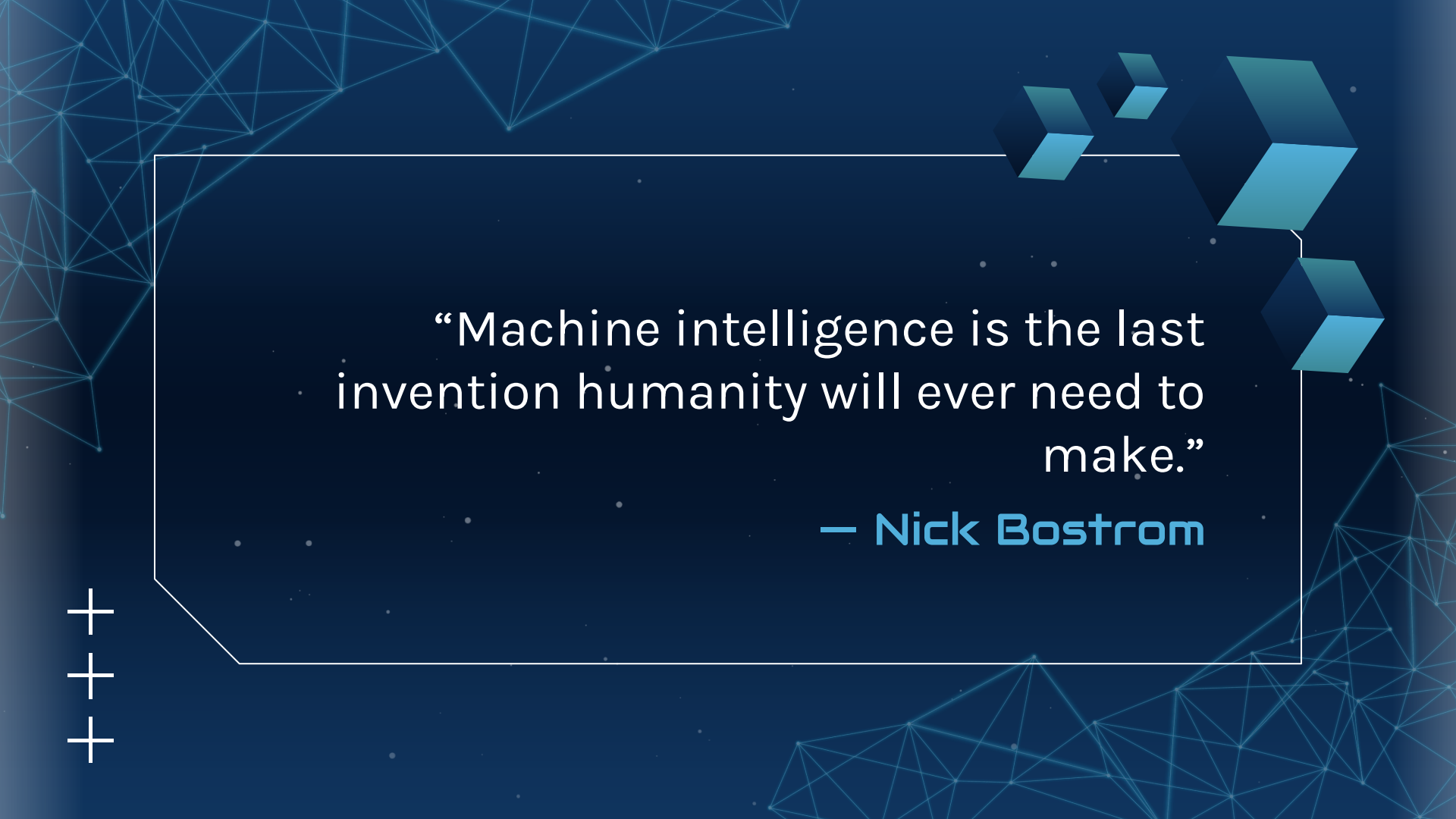
Ethics

Need to be considered
and a complex issue in
the current world

Cars

Autonomous cars have
the potential to further
revolutionize





“Machine intelligence is the last
invention humanity will ever need to
make.”

— **Nick Bostrom**





Literature Review

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