



INTRODUCING FUSEMACHINES AI PROGRAM

Fusemachines Inc.



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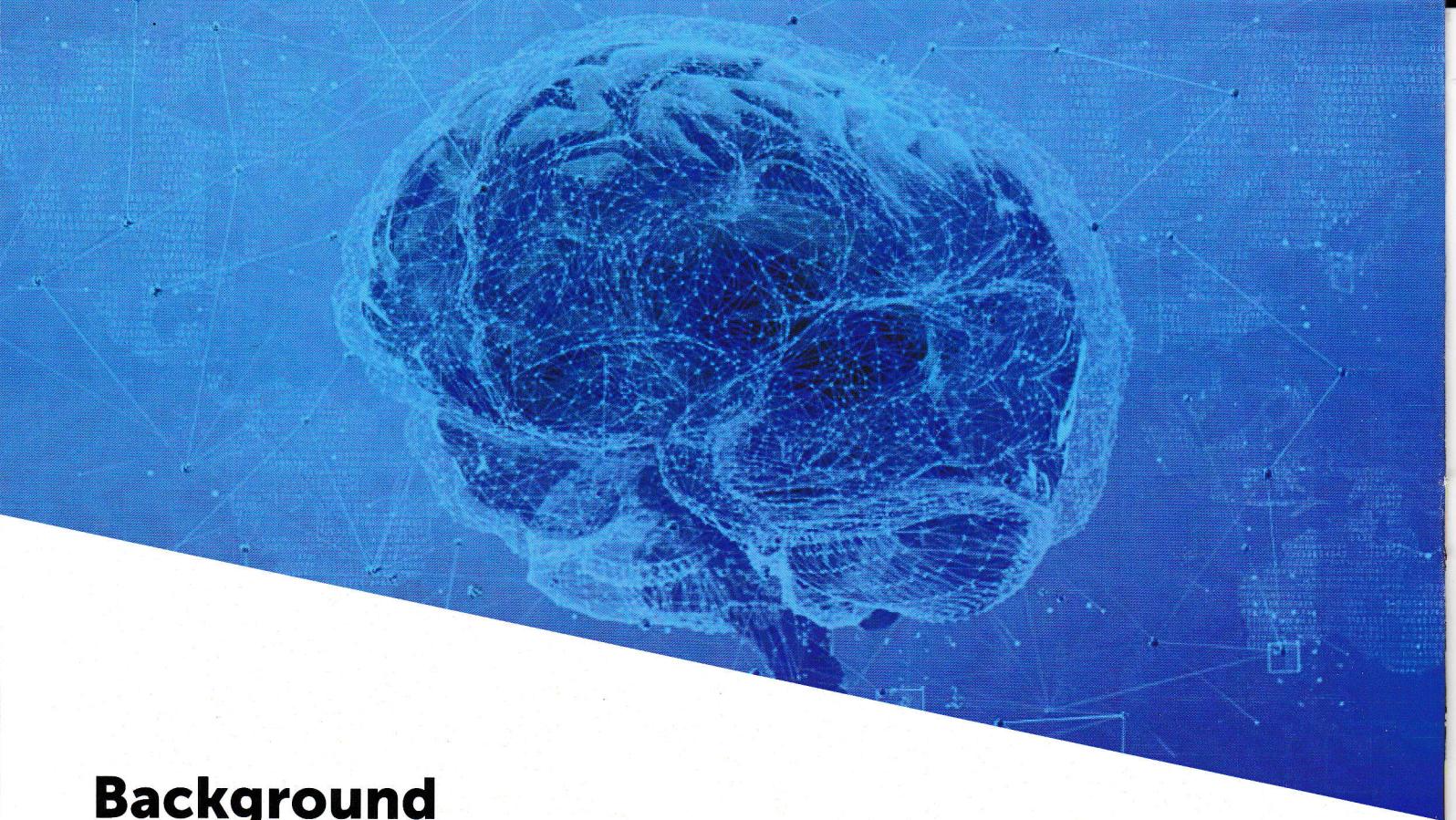


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Background

Artificial Intelligence (AI) is expected to contribute up to \$15.7 trillion to the global economy by 2030¹. However, the massive contribution of AI to the global economy comes during the industrial era of automation leading to massive redundancies in the traditional labor force. Furthermore, the impact of AI is expected to be asymmetric², with developed economies who are expected to be the early adopters and beneficiaries of AI, and developing countries lagging behind in adoption and the benefits of AI. This gap stems from the lack of AI skilled workforce and qualified instructors available in the developing countries, and also the lack of knowledge about potential benefits and absorption capacity.

While there is a worldwide shortage of AI talent, the education & training efforts to combat this shortage is focused more on the developed world. In the developing world, the training in AI is fragmented across regions and is non-standardized. Furthermore, there is a marked shift in the type of engineering talent required in North American markets that have been traditionally catered by Africa, India, Nepal etc³. Fusemachines has been addressing this challenge by utilizing its in-house expertise and deep industry knowledge. Since 2016, Fusemachines has trained hundreds of students in AI across Nepal, Dominican Republic, Rwanda, and Burkina Faso through its Fusemachines AI education program (Columbia University's MicroMasters curriculum).

¹PricewaterhouseCoopers. (n.d.). PwC's Global Artificial Intelligence Study: Sizing the prize. Retrieved from www.pwc.com/gx/en/issues/data-and-analytics/publications/artificial-intelligence-study.html#explorer.

²7 January 2019, Closing the Technology Gap in the Least Developed Countries - UN-OHRLLS. (n.d.). Retrieved from unohrlls.org/news/closing-technology-gap-least-developed-countries

³<https://www.pmnewsnigeria.com/2019/09/17/andela-lets-go-of-250-nigerian-uganda-engineers/amp/>

Online Platform

The online **fuse.ai** platform makes self learning easy for students. It offers videos, quizzes, assessments and resources.

The image displays a composite screenshot of the **fuse.ai** platform. On the left, a vertical sidebar lists "PROGRAMS" under "Machine Learning", including "Unit 1: Introduction to Module", "Unit 2: Introduction to Python", "Unit 3: OOP in Python", "Unit 4: Numpy", "Unit 5: Pandas", "Unit 6: Plotting", and "Module Project". The main content area shows a slide titled "Introduction to Module" with the heading "Pandas" and the subtitle "data processing / wrangling". Below the slide, text reads: "filter dataframes", "merge dataframes", "iterating thru dataframes", and "aggregate data". A mobile device on the right shows a course titled "Unit 1: Introduction" with "10 Chapters" and "10 assignments". At the bottom, a Jupyter Notebook assignment titled "Assignment 1.1 Python" is shown, containing code snippets and a "SUBMIT" button.

We offer our proprietary coding platform, Codehub, to enable students to work and submit their assignments. Codehub offers ample coding infrastructure and students will also have access to GPU servers.

forum.fuse.ai facilitates communication between mentors and students to create a lively AI community.

Working Together

Fusemachines will provide the curriculum, teaching pedagogy, curriculum upgrades, and knowledge sharing sessions and global marketing for AI curriculum as part of Franchise fee.

We will charge per student fee for each course that will go towards the server costs, instructor fee etc.

Some of the service details:

1. Fusemachines Approved Instructors
2. Fusemachines Proprietary Content
3. Fusemachines AI Online Platform
4. Fusemachines CodeHub
5. Access to the Curriculum after Completion
6. Access to Webinars by famous AI scientists and professors
7. Access to Webinars by Fusemachines AI PhDs
8. Potential Internship Opportunities at Fusemachines
9. Option to Get Involved in Research Projects
10. Access to Fusemachines AI Center Lounge
11. Access to Open Sessions
12. Access to Office Hours





About Fusemachines and the Education Initiative

Fusemachines provides Artificial Intelligence solutions using its proprietary intellectual properties. We combine the power of Machine Learning (ML), Deep Learning (DL), Computer Vision (CV), and Natural Language Processing (NLP) to build sophisticated software solutions. Our systems have been deployed by entities such as the City Government of New York, and in industries such as finance, gaming, food and beverage, healthcare, transport and logistics, and retail.

Our students have worked with companies such as:



At Fusemachines, we have been training and developing our AI talent to build world-class AI solutions by using our own tried and tested curriculum that is catered towards industry. Our PhDs, seasoned AI industry experts, and faculty from top universities developed the curriculum and assessments to enable industry ready AI engineers.

In the spirit of democratizing AI, Fusemachines core mission, we have started and are running classes in Fusemachines AI Center for training and research at Hattisar, Kathmandu. Our education program is a unique combination of online and onsite learning program with a lot of coaching and mentoring. Our curriculum and teaching pedagogy is being rolled out by partners in Kenya, South Africa and Dominican Republic.



Proposal: Offering AI Program at Your College



Fusemachines AI program consists of:

1 Foundation in AI

1st/2nd Semester

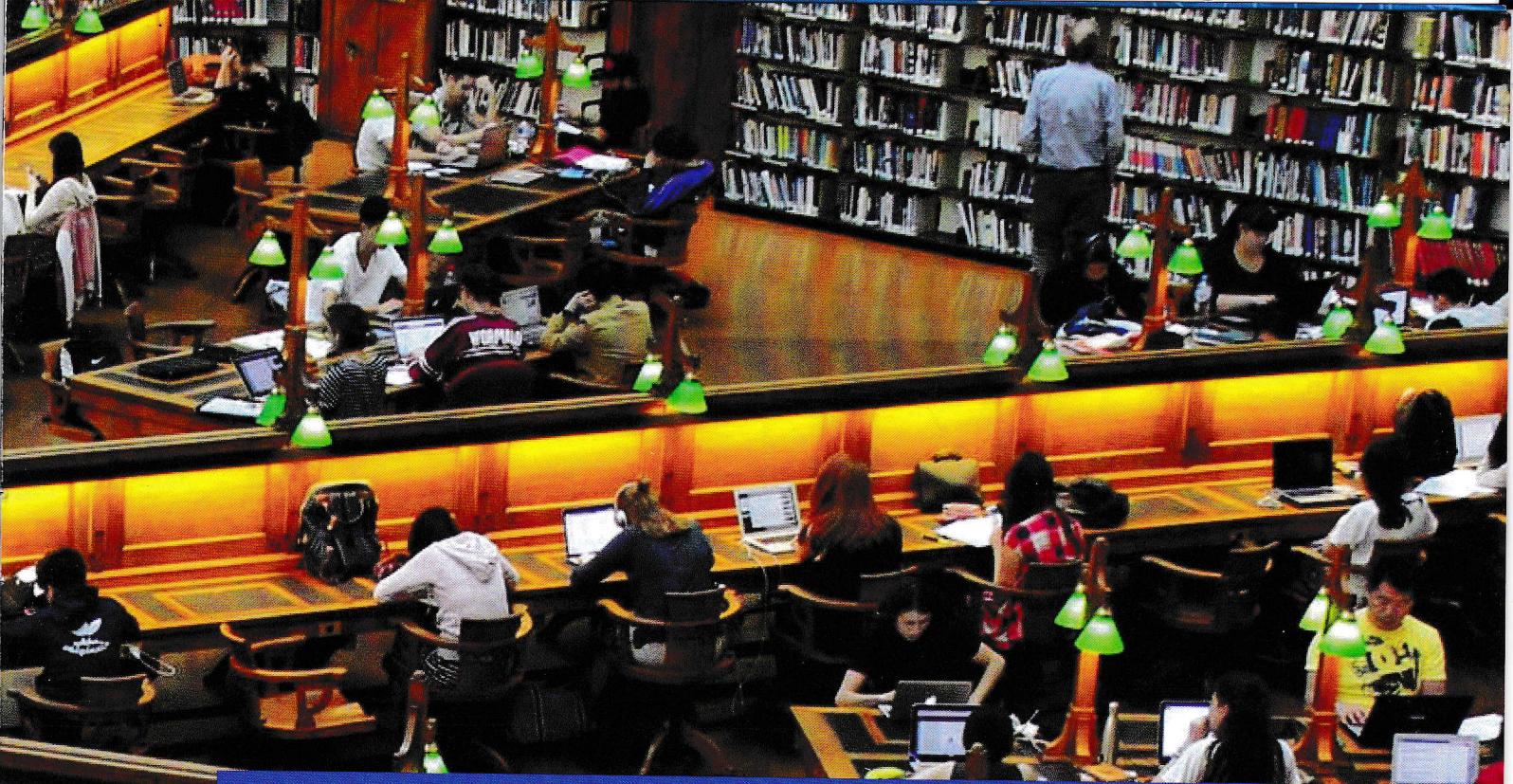
- ▶ Introduction to Computer Science for AI
- ▶ Mathematics for AI

2 Microdegree™ in AI

12 Months Total

- ▶ Machine Learning (ML)
- ▶ Deep Learning (DL)
- ▶ Computer Vision (CV)
- ▶ Natural Language Processing (NLP)

**More detail about courses in brochure.*



Expected Impact

We offer comprehensive industry ready AI education program that can be easily rolled out at your college. We believe AI education will increase the attractiveness of the graduates in the domestic and international job market.

Fusemachines will provide detailed metrics of each student's participation and completion in the fuse.ai platform and test scores for each student who enrolled in the program.



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