

**Hi! My name
is Rucha.**



I'm an AI (Artificial Intelligence)
Engineer at



Fit-For-Purpose
TECHNOLOGIES
Commit | Innovate | Empower

But, I also ...

Am an alumni of KU Leuven, Belgium

Have a Masters in Artificial Intelligence

Have a Masters in Statistics

Enjoy dancing (Kathak, Salsa, Rueda)

Aim to participate in the Dodentocht
some day

Geek out on technology

Love Belgian beer



Picture courtesy :web images

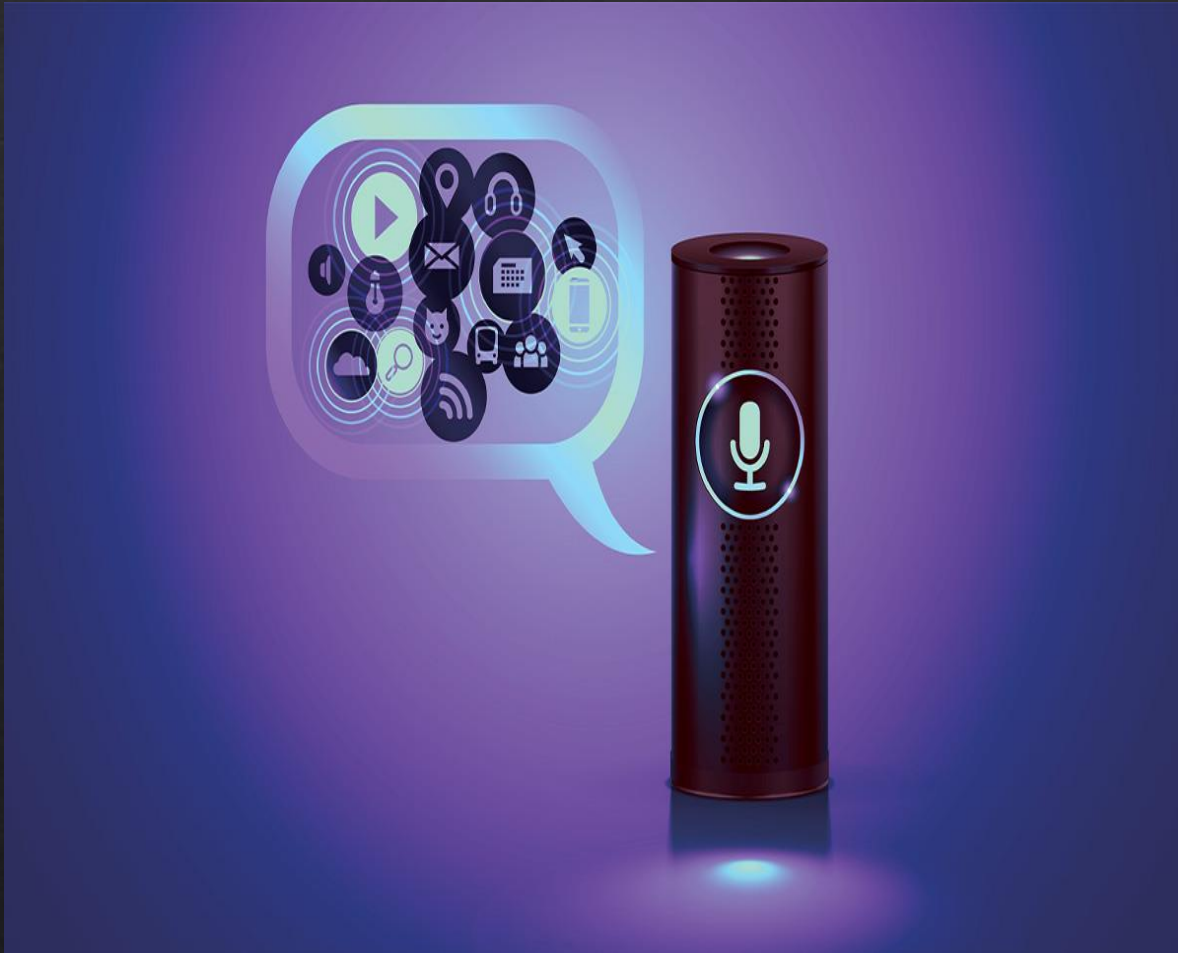
My career so far ...



Artificial Intelligence

Artificial intelligence (AI), is the simulation of human intelligence processes by machines, especially computer systems. It is the **ability of a digital computer or computer-controlled robot to perform tasks commonly associated with intelligent beings**. AI is often used interchangeably with **Machine Learning** and **Deep Learning**.

AI Applications ...





Doing
homework
with help
from people.



Doing
homework
using Chat GPT.

imgflip.com

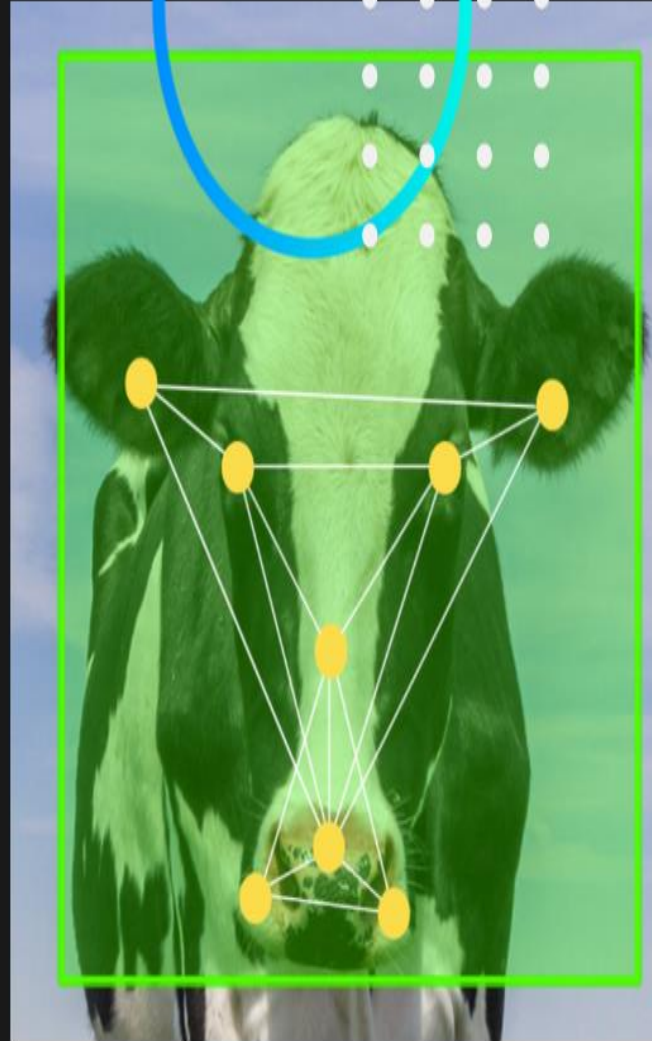
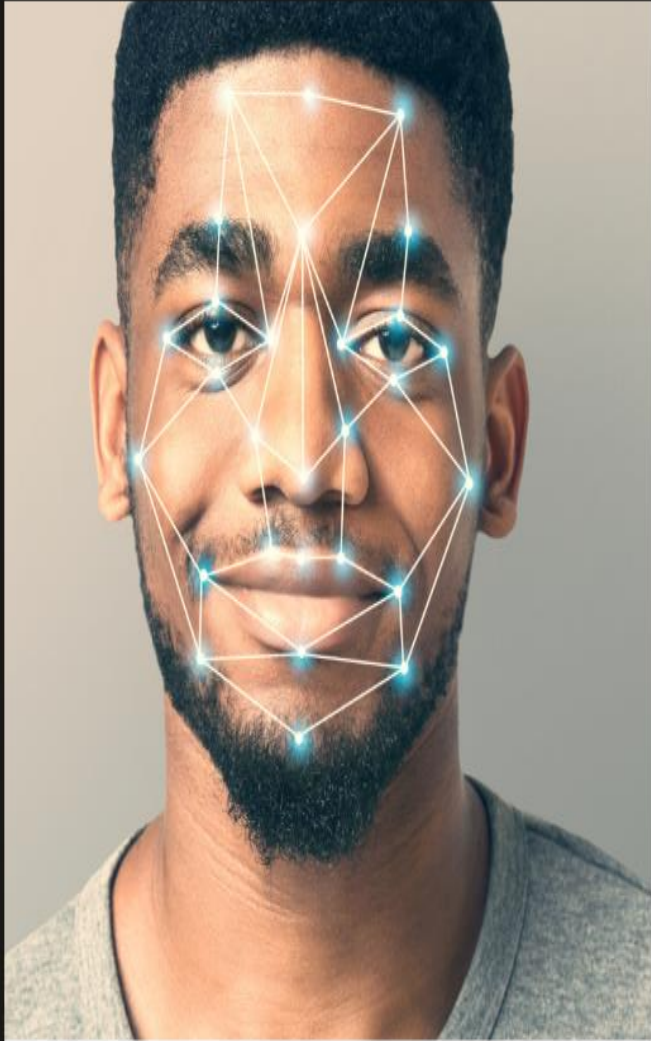




AI Engineer : Responsibilities

- **Design and Automate** AI Infrastructure
- **Build / Transform** machine learning models into specific formats
- **Integrate** AI solutions with other applications
- **Develop** applications that use AI models
- **Conduct** statistical analysis to optimize decision-making

As AI Engineer @FFPTech



- **Design & Automate** AI components of the Biometric Authentication platform - Halisi
- **Build / Transform** machine learning models for detection and authentication of biometrics
- **Integrate** AI solutions with mobile and web-based applications
- **Develop and Deploy** mobile and web based applications that use AI models
- **Conduct** statistical analysis to optimize decision-making
- **Collaborate** with business analysts to derive insights from AI platform



HALISI

TRUSTED BIOMETRICS-AS-A-SERVICE POWERED BY ARTIFICIAL INTELLIGENCE

Biometric Authentication Technology for Humans and Animals

A typical work-day

- Attend daily catchups, code reviews, and planning sessions
- Program modules of the Biometric Authentication system
- Train and evaluate ML models
- Develop mobile and web applications
- Write research papers, blogs, articles
- Supervise interns working on different components/modules
- Read latest research, digital newsletters and magazines
- Attend technology conferences

R&D role : motivating factors

- Competitive edge
- Implement latest technology and algorithms
- Authentic ideas
- Immense learning
- Full lifecycle : Data Collection > Development > Testing > Production (Applications, Gadgets)



What it takes



Programming
Languages



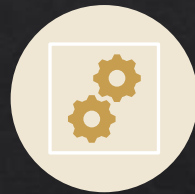
Probability,
Statistics, Linear
Algebra



Big Data
Technologies



Cloud Platforms



Algorithms &
Frameworks



Communication
Skills



Curiosity



Creativity

Could AI be for you?

Is it a stable career option? - Fast-evolving, cutting-edge technologies

Is my background a proper fit? - Multi-disciplinary intake

What if I lack certain skills? - Avail bridging programs, online courses, Free learning resources

I am already in ICT, but need to up-skill? - Participate in case studies, challenges, hackathons, or join coding groups

Is it only technical? - Non-tech AI roles

My learnings so far ...

1. Make conscious choices. Have a checklist!
2. It is okay to not have a plan
3. Curiosity helps reach deeper levels of understanding
4. Continuous learning – bridging programs, online/offline courses, new tools
5. Continuous reading - stay updated with developments in your domain

--- My checklist ---

- Work in AI
- R&D role
- Learn from a mentor
- Challenging projects
- Present in a conference
- Publish a paper

My learnings so far ...

6. Test your skills – coding camps, coding challenges, hackathons
7. Subscribe to relevant channels – newsletters, playlists, platforms
8. Live life! A balanced life helps with creativity
9. Ask - for opportunities
10. Start networking



Augusta Lovelace (10 Dec 1815 – 27 Nov 1852)

“Lovelace’s notes” – contain algorithms to be carried out by a machine

**Technology is best when it brings people
together**

- Matt Mullenweg

Thank you ...