



Path2Grad

STUDENT TRACKING & GRADUATION SYSTEM



empowering computer science students with
personalized learning plans, project management,
collaboration tools, and AI support, bridging the gap
between formal education and self-learning.

WELCOME TO



Sign In

Email

 Enter your email

Password

 Enter your Password



Role

- ☒ Student
- ☐ Doctor
- ☐ Teaching assistant
- ☐ Projects Admin

Sign In



empowering computer science students with
personalized learning plans, project management,
collaboration tools, and AI support, bridging the gap
between formal education and self-learning.



Sign In

Email

 Enter your email

Password

 Enter your Password



Incorrect password, contact IT department

Role

- ☒ Student
- ☐ Doctor
- ☐ Teaching assistant
- ☐ Projects Admin

Sign In



Welcome *Ahmed!*

Let's make our success,
Start Now!

1%



You are not enrolled at any track!

[Enroll now](#)

You are not enrolled at any project!

[Enroll now](#)



Welcome back *Ahmed!*

Keep going, it's a lot of work today
so let's start!

67%



Track

Artificial Intelligence



Timeline



TO-DO

- Pandas ☒
- Numpy ☐
- Seaborn ☐
- Matplotlib ☐

Graduation project

Hospital System



Timeline



TO-DO

- ~~Diagrams~~ ☒
- Documentation ☐
- Database ☐
- Implementation ☐





Path2Track

TRACKING PROGRESS, GUIDING SUCCESS!



You are not enrolled at any track!

Choose your track

Artificial Intelligence



Front-end



Back-end



Select

For help choosing, visit [Recommendation](#) !



You make a good job, Let's continue!

Artificial Intelligence

Roadmap:

39%



1. Python

- Introduction to python programming, Arabic course
- OOP using python, Udemey
- Pandas library in python, Docs
- Project
- Test



2. Data Visualization

- Introduction to data visualization with Matplotlib
- Introduction to data visualization with Seaborn, Kaggle
- Power BI Training, Arabic course
- Project & tutorials
- Project
- Test



3. Machine Learning

- Coursera - Old Course by Andrew Ng (Octave/MATLAB)
- Coursera Andrew's new ML Specialization (Python)
- CS480/680 Intro to Machine Learning - Spring 2019 - University of Waterloo
- IBM ML with Python
- Machine Learning for Engineers 2022 / (YouTube)
- Machine Learning From Scratch - YouTube (Python Engineer)
- ML scientist
- Introduction to Machine Learning Course - Udacity
- ML Projects
- Test



4. Deep Learning

- Deep Learning Fundamentals
- Introduction to Deep Learning - MIT
- Deep Learning for coders with fastai & PyTorch
- Project
- Test





Path2Project

YOUR LAUNCHPAD FOR GRADUATION SUCCESS!



You are not enrolled at any Project!

Choose from projects bank

or

Customize my project



Projects Bank



Bank system

A banking system for secure and easy account and transaction management.



Gym system

A system for managing gym operations, including member registrations.



Health Pal

A health app that tracks activities, diet, sleep, and exercise.



Study Mate

A banking system for secure and easy account and transaction management.



Gym system

A system for managing gym operations, including member registrations.



Bank system

A banking system for secure and easy account and transaction management.

Project Specification

A banking system designed to manage financial transactions, accounts, and loans securely and efficiently. It uses AI for automation and advanced security to enhance reliability and user experience.

Team Composition

- 2 Back-end developers
- 1 Front-end developer
- 1 AI specialist
- 1 Flutter developer

Project Fields

- AI
- Security
- Automation

Connect With Members

Supervisor



Dr. Ahmed Khalid Ali

AI

Requested

Co-Supervisor



Eng. Rania Mohamed

AI

Requested

Add team member



Ayman Salim Reda

Flutter

Requested

Add team member



Rania Mohamed

Flutter

Requested

Add team member



Ayman Salim Reda

Flutter

Requested



Customize Your Project

Project Name

Brief About Project

Project Field

Number of team members

3

4

5

6

Connect With Members

Supervisor

Co-Supervisor

Add team member

AI x



Add team member



Add team member



Submit



Customize Your Project

Project Name

Brief About Project

Fields

AI



Security



Web & Mobile Development



Internet of things(IOT)



Software Engineering



6

Connect With Members

Supervisor



Co-Supervisor



Add team member



Add team member



Add team member





Customize Your Project

Project Name

Brief About Project

Project Field

Security x

AI x

Number of team members

3

4

5

6

Connect With Members

Supervisor



Dr . Ahmed Khalid Ali

AI

Request



Dr . Rania Mohamed Gamal

Security

Request



Dr . Nagwa Ahmed Mahmoud

Security

Request



Dr . Ayman Salim Reda

AI

Request

Submit



Customize Your Project

Project Name

Brief About Project

Project Field

Security x

AI x

Number of team members

3

4

5

6

Connect With Members

Supervisor



Co-Supervisor



Eng . Ahmed Khalid Ali

AI

Request



Eng . Rania Mohamed Gamal

Security

Request



Eng . Nagwa Ahmed Mahmoud

Security

Request



Eng . Ayman Salim Reda

AI

Request



Customize Your Project

Project Name

Brief About Project

Project Field

Security x

AI x

Number of team members

3

4

5

6

Connect With Members

Supervisor

Co-Supervisor

Add team

Add team

Add team

Member's specialty

AI

Network

Flutter

Android

Front-End

Back-End

Submit



Customize Your Project

Project Name

Brief About Project

Project Field

Security ×

AI ×

Number of team members

3

4

5

6

Connect With Members

Supervisor

Co-Supervisor



Ahmed Khalid Ali

AI

Request



Rania Mohamed Gamal

AI

Request



Nagwa Ahmed Mahmoud

AI

Request



Ayman Salim Reda

AI

Request

Submit



Customize Your Project

Project Name

Path2Grad (Student tracking & graduation system)

Brief About Project

Path2Grad is a comprehensive educational platform designed to support computer science students in their academic journey and personal growth.

Project Field

Web ✕

AI ✕



Number of team members

3

4

5

6

Connect With Members

Supervisor



Dr . Ahmed Khalid Ali

AI

Requested

Co-Supervisor



Eng . Rania Mohamed

AI

Requested

Add team member



Ayman Salim Reda

Flutter

Requested

Add team member



Rania Mohamed

Front-End

Requested

Add team member



Ayman Salim Reda

Back-End

Requested

Submit



Bank System

Project Requirements







Project 1st term requirements

[Download](#)

Project 2nd term requirements

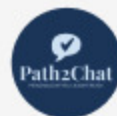
[Download](#)

Project Tasks

Task	Assigned to	Deadline	Status
Documentation	 Ahmed Khalid Ali	28/JUN	<input checked="" type="checkbox"/>
UI	 Rania Mohamed	23/FEB	<input type="checkbox"/>
Database	 Ayman Salim Reda	15/DEC	<input type="checkbox"/>
SRS	 Nagwa Ahmed	25/DEC	<input type="checkbox"/>

[+ Add new task](#)



Project Files

[Upload File](#)










Bank System

Project Requirements

- 
[Project 1st term requirements](#)
Download
- 
[Project 2nd term requirements](#)
Download

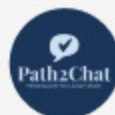
Project Tasks

Task	Assigned to	Deadline	Status
Documentation	 Ahmed Khalid Ali	28/JUN	
UI	 Rania Mohamed	23/FEB	
Database	 Ayman Salim Reda	15/DEC	
<input type="text"/>	<input type="text" value="Choose Member"/>	<input type="text"/>	

[+ Add new task](#)

Project Files



[Upload File](#)






Bank System

Project Requirements

- 
 Project 1st term requirements
 [Download](#)
- 
 Project 2nd term requirements
 [Download](#)

Project Tasks

Task	Assigned to	Deadline	Status
Document	 Ahmed Khalid Ali	AI Choose	<input checked="" type="checkbox"/>
UI			<input type="checkbox"/>
Database	 Rania Mohamed Gamal	Front-End Choose	<input type="checkbox"/>
	 Nagwa Ahmed Mahmoud	Flutter Choose	<input type="checkbox"/>

Project Files

[Upload File](#)



Bank System

Project Requirements







Project 1st term requirements

[Download](#)

Project 2nd term requirements

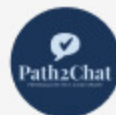
[Download](#)

Project Tasks

Task	Assigned to	Deadline	Status
Documentation	 Ahmed Khalid Ali	28/JUN	<input checked="" type="checkbox"/>
UI	 Rania Mohamed	23/FEB	<input type="checkbox"/>
Database	 Ayman Salim Reda	15/DEC	<input type="checkbox"/>
SRS	 Nagwa Ahmed	25/DEC	<input type="checkbox"/>

[+ Add new task](#)



Project Files

[Upload File](#)











Bank System

Project Requirements





-  Project 1st term requirements [Download](#)
-  Project 2nd term requirements [Download](#)

Project Tasks

Task	Assigned to	Deadline	Status
Documentation	 Ahmed Khalid Ali	28/JUN	
UI	 Rania Mohamed	23/FEB	
Database	 Ayman Salim Reda	15/DEC	
SRS	 Nagwa Ahmed	25/DEC	

[+ Add new task](#)

Project Files

-  NUB_GP 2024-2025.xlsx
-  GP-abstract.docx
-  Project Concept and Plan Template.docx
-  GP-Template.docx

[Upload File](#)

Recommendation System

Confused about which track suits you best?, let's do it together

[Start Survey!](#)

Computer Science Tracks



AI



Front end



Back end



Flutter



Cyber security

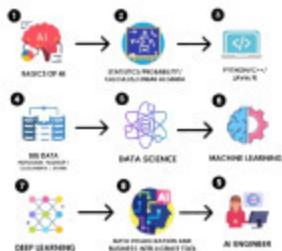
AI (Artificial Intelligence)

Artificial Intelligence (AI) is a specialized field of computer science that focuses on creating systems capable of performing tasks that typically require human intelligence. These tasks include problem-solving, decision-making, natural language understanding, vision, learning, and more.

AI Prerequisites

1. Mathematics
2. Programming Skills
3. Machine Learning Basics
4. Computer Science Fundamentals
5. AI Tools & Frameworks
6. Problem-Solving & Research
7. Soft Skills

ROADMAP OF AI ENGINEER



Articles

-  [Artificial Intelligence Index Report 2024](#)
-  [Top Artificial Intelligence Trends for 2024](#)
-  [Generative AI: How It's Changing Business and Beyond](#)
-  [AI in Everyday Life: From Assistants to Automation](#)
-  [Ethical Implications of Artificial Intelligence](#)
-  [Top Artificial Intelligence Trends for 2024](#)
-  [AI in Everyday Life: From Assistants to Automation](#)

Videos



Exploring Your Interests in Computer Science Tracks

Find Your Perfect "Path"



Start Now!

1. What do you enjoy working on the most?

- ☒ Building visually appealing and interactive user interfaces
- ☐ Creating and managing databases and server-side logic
- ☐ Developing mobile apps for Android and iOS
- ☐ Analyzing data and creating intelligent systems

2. What excites you about solving problems?

- ☐ Making websites/apps more user-friendly
- ☒ Optimizing systems for better performance and scalability
- ☐ Developing mobile apps for Android and iOS
- ☐ Teaching machines to make smart decisions

3. What tools/technologies do you want to work with?

- ☒ HTML, CSS, JavaScript, React, or Angular
- ☐ Databases, APIs, and backend frameworks like Node.js or Django
- ☐ Dart and Flutter for cross-platform mobile development
- ☐ Python, TensorFlow, or other AI/ML tools

4. What type of projects interest you the most?

- ☐ Designing websites or apps that people love to use
- ☐ Creating and managing databases and server-side logic
- ☒ Developing mobile apps for Android and iOS
- ☐ Analyzing data and creating intelligent systems

5. How do you prefer to work?

- ☒ Designing creative and aesthetic solutions
- ☐ Solving technical problems in the background
- ☐ Developing mobile apps for Android and iOS
- ☐ Analyzing data and creating intelligent systems

Submit



AI

Nice Work!

We Suggest You The Track of *Artificial Intelligence (AI)*

If that Suits you, let's get started.

[Choose Track](#)

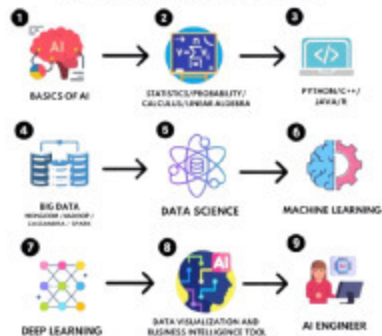
AI (Artificial Intelligence)

Artificial Intelligence (AI) is a specialized field of computer science that focuses on creating systems capable of performing tasks that typically require human intelligence. These tasks include problem-solving, decision-making, natural language understanding, vision, learning, and more.

AI Prerequisites

1. Mathematics
2. Programming Skills
3. Machine Learning Basics
4. Computer Science Fundamentals
5. AI Tools & Frameworks
6. Problem-Solving & Research
7. Soft Skills

ROADMAP OF AI ENGINEER





Path2Chat

PERSONALIZED HELP, ALWAYS READY



Welcome b

Keep going, it's a lot of
so let's start!



Hi , how can i help you !

What is Artificial Inelegance?



Artificial Intelligence (AI) is the branch of computer science that focuses on creating systems capable of performing tasks that typically require human intelligence.

What is AI applications?



AI applications span across a vast array of industries and domains, revolutionizing how tasks are performed, decisions are made, and services are delivered.

Ask or search anything



12%

Timeline



TO-DO

- Pandas
- Numpy
- Seaborn
- Matplotlib



Student Profile

Internship

CV



Welcome back *Ahmed!*

Keep going, it's a lot of work today
so let's start!

67%


[Profile](#)
[Internship](#)
[CV](#)
[Requests](#)
[Logout](#)

Track

Artificial Intelligence



Timeline



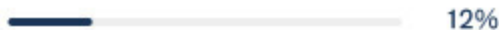
TO-DO

- Pandas
- Numpy
- Seaborn
- Matplotlib



Graduation project

Hospital System



Timeline



TO-DO

- Diagrams
- Documentation
- Database
- Implementation





Ahmed Ali Mohamed

User details

Email address Ahmed12@nub.edu.eg
ID [211050187](#)
Mobile Number [01516489168](#)

Track details

Artificial Intelligence **48%**

Project details

Path2Grad **68%**

Internship details

ITI - AI	75hour	95%
Samsung - AI	90hour	89%

Project members details

Supervisor



Dr . Ahmed Khalid Ali

AI

Co-Supervisor



Eng , Rania Mohamed

AI

Team Members



Ayman Salim Reda

Flutter



Rania Mohamed

Front End



Ayman Salim Reda

Back End



Your CV

[Upload File](#)

Not accepted yet!

CV Templates





Your CV



Ahmed Ali CV

Upload File

Accepted

CV Templates





Internships

- [🔗 AI Samsung Internship](#)
- [🔗 AI ITI Internship](#)
- [🔗 British Internship](#)
- [🔗 Orange Software Internship](#)
- [🔗 Vodafone data analysis Internship](#)
- [🔗 Etisalat Software Internship](#)
- [🔗 British Internship](#)
- [🔗 Orange Software Internship](#)
- [🔗 Vodafone data analysis Internship](#)
- [🔗 Etisalat Software Internship](#)
- [🔗 AI Samsung Internship](#)
- [🔗 AI ITI Internship](#)
- [🔗 British Internship](#)
- [🔗 AI Samsung Internship](#)
- [🔗 AI ITI Internship](#)
- [🔗 British Internship](#)

Certificates

[📁 Upload File](#)

Work Files

[📁 Upload File](#)



Internships

- [AI Samsung Internship](#)
- [AI ITI Internship](#)
- [British Internship](#)
- [Orange Software Internship](#)
- [Vodafone data analysis Internship](#)
- [Etisalat Software Internship](#)
- [British Internship](#)
- [Orange Software Internship](#)
- [Vodafone data analysis Internship](#)
- [Etisalat Software Internship](#)
- [AI Samsung Internship](#)
- [AI ITI Internship](#)
- [British Internship](#)
- [AI Samsung Internship](#)
- [AI ITI Internship](#)
- [British Internship](#)

Certificates

-  ITI - AI Certificate
-  Samsung Software Certificate
-  NTI data analysis Certificate

[Upload File](#)

Work Files

-  ITI - AI Project
-  Samsung Software Project
-  NTI Data Analysis Project

[Upload File](#)



Graduation Project Requests



Ayman Salim Reda

Bank System

Remove

Accept



Ayman Salim Reda

Hospital System

Remove

Accept



Ayman Salim Reda

Gym System

Remove

Accept

Doctor Access



empowering computer science students with
personalized learning plans, project management,
collaboration tools, and AI support, bridging the gap
between formal education and self-learning.



Sign In

Email

 Enter your email

Password

 Enter your Password



Role

- ☐ Student
- ☒ Doctor
- ☐ Teaching assistant
- ☐ Projects Admin

Sign In



Bank system

A banking system for secure and easy account and transaction management.



Ayman Salim Reda



Rania Mohamed



Nagwa Ahmed



Ayman Salim Reda



Gym system

A system for managing gym operations, including member registrations.



Ayman Salim Reda



Rania Mohamed



Nagwa Ahmed



Ayman Salim Reda



Health Pal

A health app that tracks activities, diet, sleep, and exercise.



Ayman Salim Reda



Rania Mohamed



Nagwa Ahmed



Ayman Salim Reda



Bank system

Project Name

Path2Grad (Student tracking & graduation system)

Brief About Project

Path2Grad is a comprehensive educational platform designed to support computer science students in their academic journey and personal growth.

Project Field

Web

AI

Number of team members

4

Project members and supervisors

Supervisor



Dr. Ahmed Khalid Ali

AI

Co-Supervisor



Eng. Rania Mohamed

AI

Team Members



Ayman Salim Reda

Rania



Rania Mohamed

Ayman



Ayman Salim Reda

Rania



Ayman Salim Reda

Ayman

Project Requirements

Project 1st term requirements

Project 2nd term requirements

Upload File

Project Files



NUB_GP 2024-2025.xlsx

Download



GP-abstract.docx

Download



Project Concept and Plan Template.docx

Download



GP-Template.docx

Download

Teaching Assistant Access




empowering computer science students with
personalized learning plans, project management,
collaboration tools, and AI support, bridging the gap
between formal education and self-learning.

WELCOME TO




Sign In

Email

 Enter your email

Password

 Enter your Password




Role

- ☐ Student
- ☐ Doctor
- ☒ Teaching assistant
- ☐ Projects Admin

Sign In



	Ayman Salim Reda	211050165	AI	62%
--	------------------	-----------	----	-----

	Ayman Salim Reda	210105205	AI	85%
--	------------------	-----------	----	-----

	Ayman Salim Reda	205424242	AI	47%
--	------------------	-----------	----	-----

	Ayman Salim Reda	214240285	AI	52%
--	------------------	-----------	----	-----

	Ayman Salim Reda	211050165	AI	68%
--	------------------	-----------	----	-----



Ayman Salim Reda

Artificial Intelligence

Roadmap:

39%



1. Python

- Introduction to python programming, Arabic course
- OOP using pattern, UML
- Pandas library in python, Data
- Project
- Test



2. Data Visualization

- Introduction to data visualization with Matplotlib
- Introduction to data visualization with Seaborn, Kiggle
- Power BI Training, Arabic course
- Project & tutorials
- Project
- Test



3. Machine Learning

- Coursera - Old Course by Andrew Ng (Octave/MATLAB)
- Coursera Andrew's new ML Special series - Python
- CS438660 Intro to Machine Learning - Spring 2019 - University of Waterloo
- IBM ML with Python
- Machine Learning for Engineers 2022 / ThonixLab
- Machine Learning From Scratch - YouTube (Python Engineer)
- ML, scikit
- Introduction to Machine Learning Course - Udacity
- ML Projects
- Test



4. Deep Learning

- Deep Learning Fundamentals
- Introduction to Deep Learning - MIT
- Deep Learning for coders with TensorFlow, PyTorch
- Project
- Test





Bank system

A banking system for secure and easy account and transaction management.



 Ayman Salim Reda |  Rania Mohamed |  Nagwa Ahmed |  Ayman Salim Reda



Gym system

A system for managing gym operations, including member registrations.



 Ayman Salim Reda |  Rania Mohamed |  Nagwa Ahmed |  Ayman Salim Reda



Health Pal

A health app that tracks activities, diet, sleep, and exercise.



 Ayman Salim Reda |  Rania Mohamed |  Nagwa Ahmed |  Ayman Salim Reda



Bank system

Project Name

Path2Grad (Student tracking & graduation system)

Brief About Project

Path2Grad is a comprehensive educational platform designed to support computer science students in their academic journey and personal growth.

Project Field

Web

AI

Number of team members

4

Project members and supervisors

Supervisor



Dr. Ahmed Khalid Ali

AI

Co-Supervisor



Eng. Rania Mohamed

AI

Team Members



Ayman Salim Reda

Rutee



Rania Mohamed

Pays-For



Ayman Salim Reda

Gen-For



Ayman Salim Reda

Rutee-For

Project Requirements



Project 1st term requirements



Project 2nd term requirements

Upload File

Project Files



NUB_GP 2024-2025.xlsx

Download



GP-abstract.docx

Download


Project Concept and
Plan Template.docx

Download



GP-Template.docx

Download

Project Admin Access



empowering computer science students with personalized learning plans, project management, collaboration tools, and AI support, bridging the gap between formal education and self-learning.



Sign In

Email

 Enter your email

Password

 Enter your Password

Role

- ☐ Student
- ☐ Doctor
- ☐ Teaching assistant
- ☒ Projects Admin

Sign in

Computer Science Graduation Projects

[Download Projects Sheet](#)


Bank system

A banking system for secure and easy account and transaction management.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Gym system

A system for managing gym operations, including member registrations.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Health Pal

A health app that tracks activities, diet, sleep, and exercise.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Bank system

A banking system for secure and easy account and transaction management.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Gym system

A system for managing gym operations, including member registrations.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Health Pal

A health app that tracks activities, diet, sleep, and exercise.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Bank system

A banking system for secure and easy account and transaction management.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Gym system

A system for managing gym operations, including member registrations.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Health Pal

A health app that tracks activities, diet, sleep, and exercise.



Dr. Ayman Salem Reda |
 ENG. Rania Mohamed |
 Ayman Salem Reda |
 Rania Mohamed |
 Hagar Ahmed |
 Ayman Salem Reda



Bank system

Project Name

Path2Grad (Student tracking & graduation system)

Brief About Project

Path2Grad is a comprehensive educational platform designed to support computer science students in their academic journey and personal growth.

Project Field

Web

AI

Number of team members

4

Project members and supervisors

Supervisor



Dr . Ahmed Khalid Ali

AI

Co-Supervisor



Eng . Rania Mohamed

AI

Team Members



Ayman Salim Reda

Flutter



Rania Mohamed

Front-End



Ayman Salim Reda

Back-End



Ayman Salim Reda

Back-End

