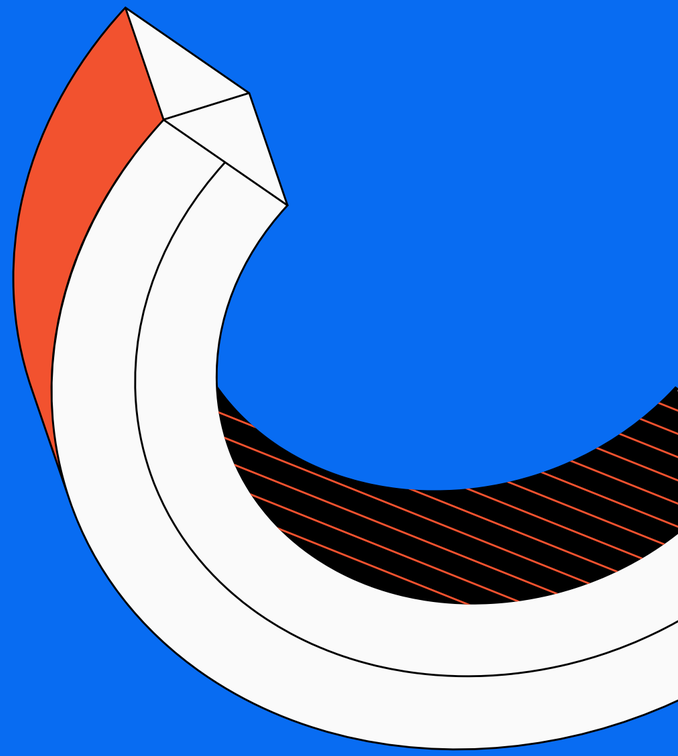
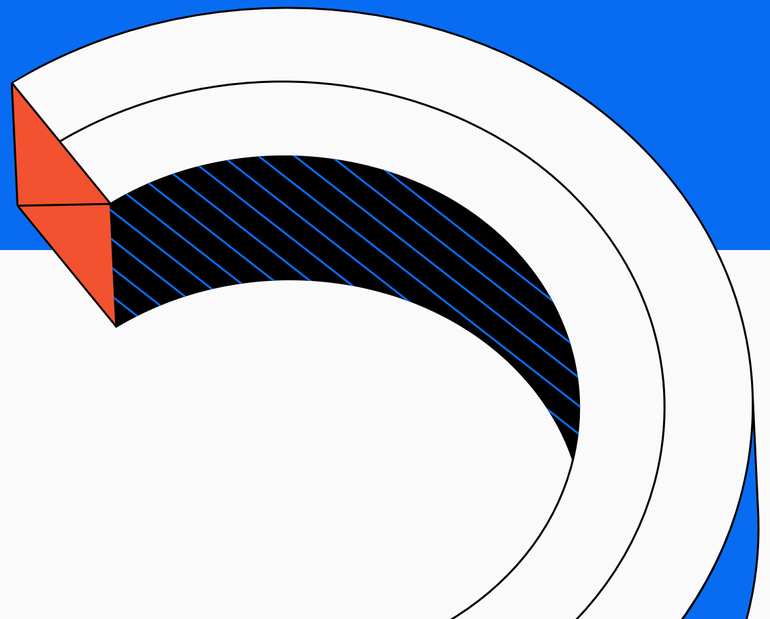
Colab: AI-Powered Collaborative Hub





BCAT BUFFALO CENTER FOR ARTS & TECHNOLOGY

Team Name:

COLAB

Team Members:

Amruta Mishra
Jatin Chhabria
Krishna Chavan
Manasi Jadhav
Sneha Singh

BCAT BUFFALO CENTER FOR ARTS & TECHNOLOGY

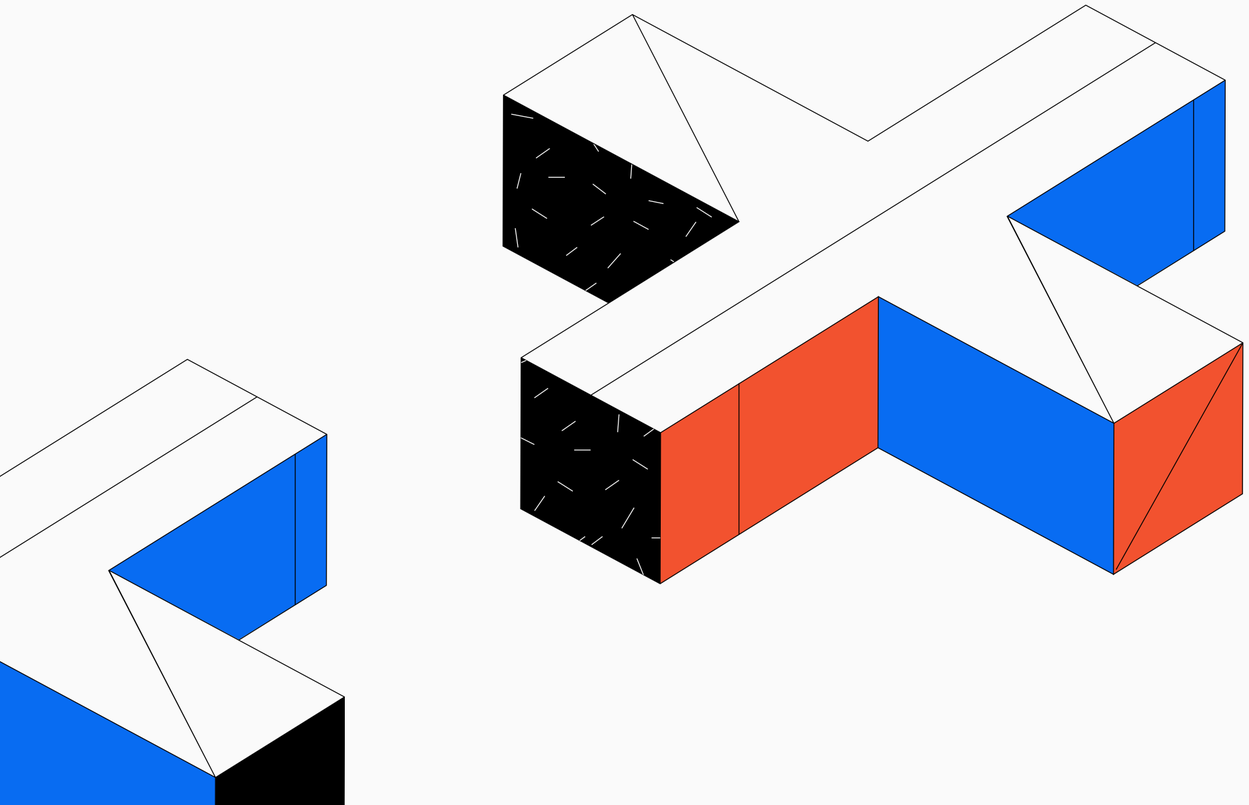
Introduction

- A centralized platform that revolutionizes workplace productivity and communication
- Seamlessly integrates various organizational functions into one user-friendly interface while fostering real-time collaboration between employees
- Leverages artificial intelligence, our platform enhances employee efficiency, streamlines decision-making, and promotes a cohesive work environment

Key Features

- **Schedule and Task Management:** AI-driven task allocation and progress tracking
- **Intelligent Recommendations:** Personalized suggestions for tasks, resources, and collaborators
- **Data Analytics:** Advanced insights into team performance and project status
- **Knowledge Management:** Centralized repository for company information and best practices

BCAT Challenges



- Communication
- Automatic Notifications
- Progress Tracking
- Meeting Summary
- Scheduling Setup
- Project and Event Collaboration
- Certificate Management
- Integration of all Apps

Project Collaboration
Colab Bot

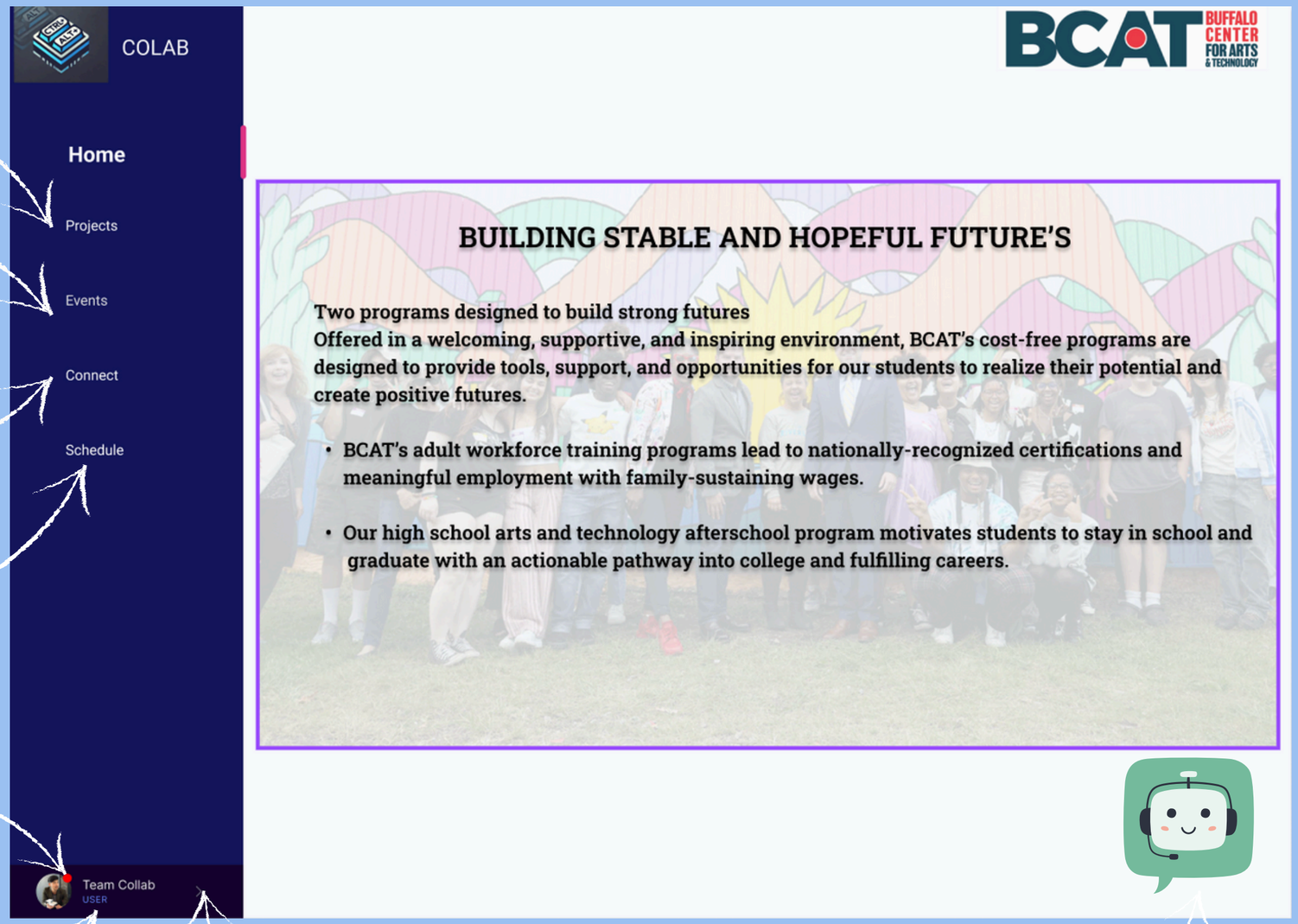
Event Collaboration
Colab Bot

Communication and Networking
+ Colab App

Meeting Summary
+ Colab App

Automatic Notifications
+ Colab App

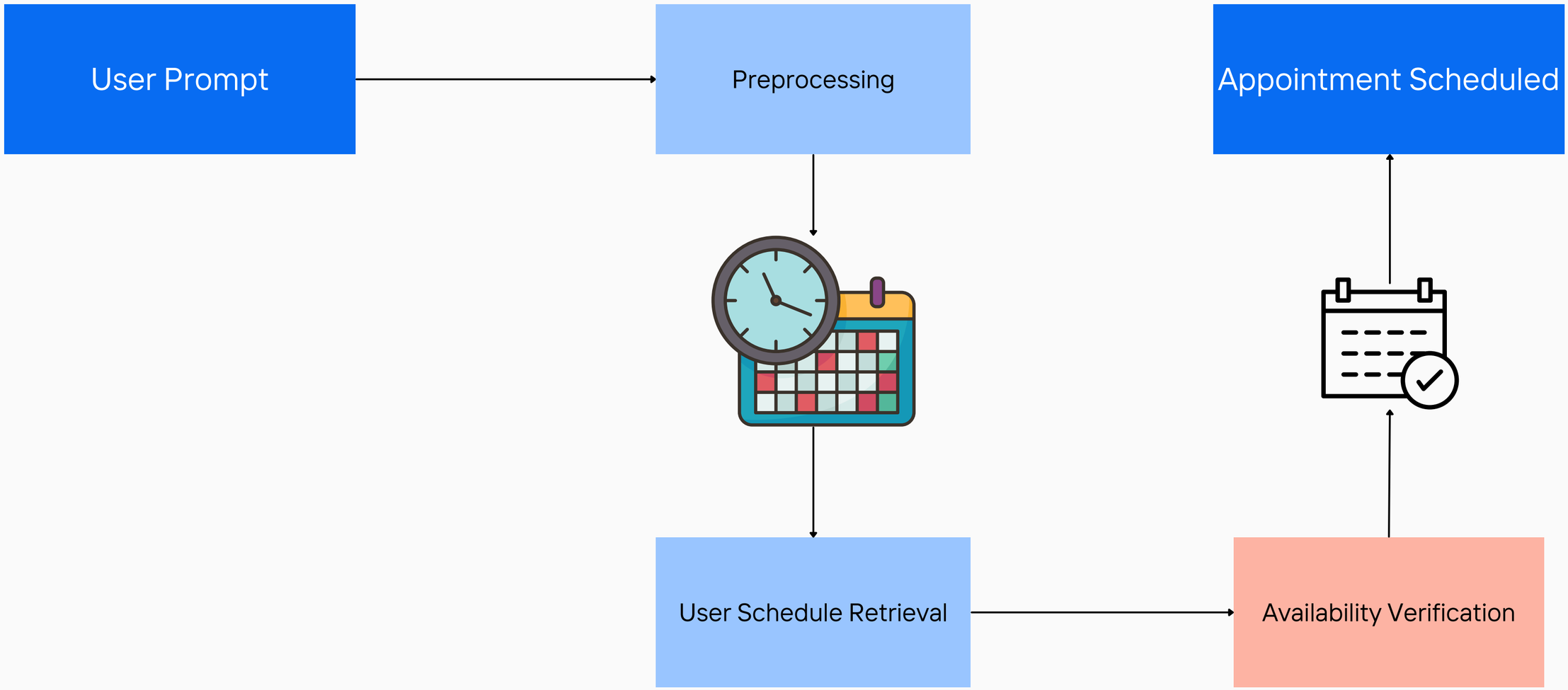
Certificate Management
Colab Bot



Progress Tracking
+ Colab App

Scheduling
Setup
+ Colab Bot

Scheduling


User Prompt
Preprocessing
Appointment Scheduled
User Schedule Retrieval
Availability Verification

calendar.google.com/calendar/u/0/r

Google Account | Inbox - jadhavman... | Manasi Jadhav | Li... | UB Application Lo... | UB MyUB | UB Mail - Manasii... | UB Student Center... | BrightSpace Home... | All Bookmarks

Calendar | Today | Sep – Oct 2024 | 7 days

Create

September 2024

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	1	2	3	4	5
6	7	8	9	10	11	12

Search for people

My calendars
- manasi jadhav
- Birthdays
- Tasks

Other calendars
- CSE 474/574
- Holidays in India

Terms – Privacy

SUN 29	MON 30	TUE 1	WED 2	THU 3	FRI 4	SAT 5
			Mahatma Gandhi Jayant	First Day of Sharad Navr		

GMT-04

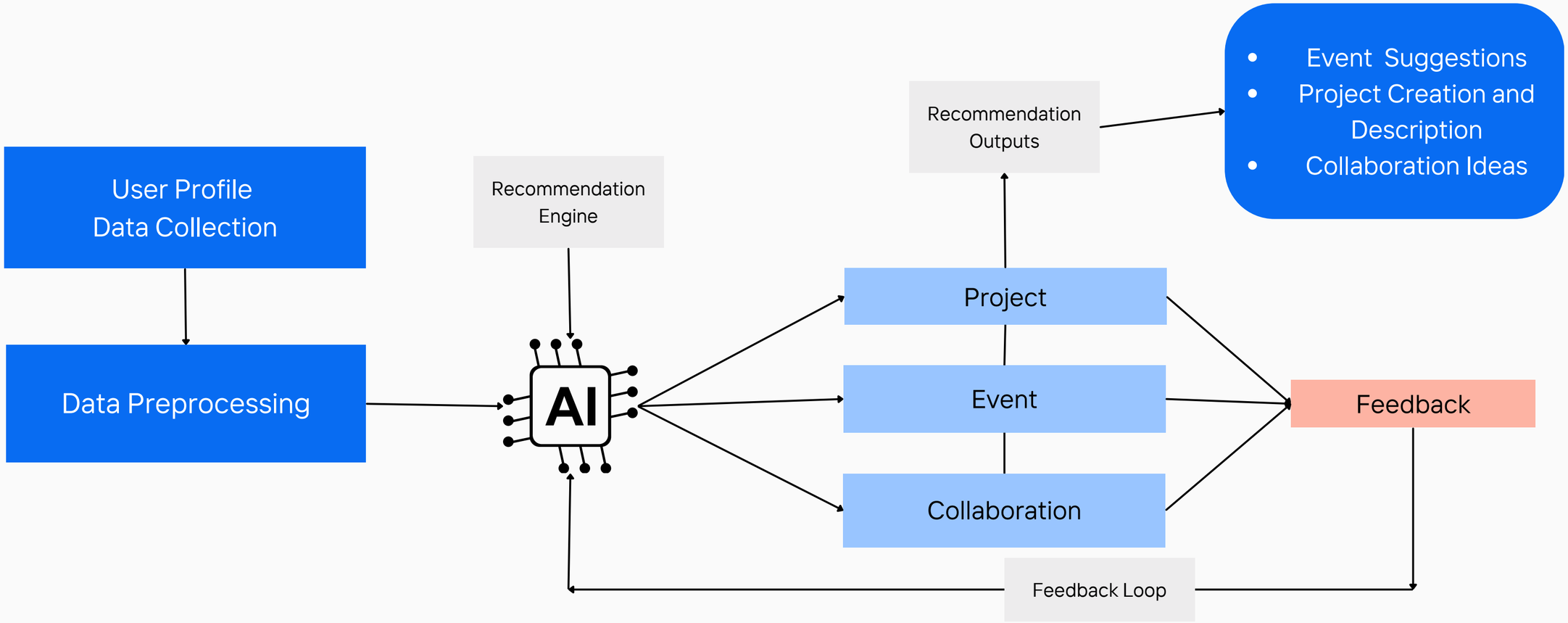
10 AM, 11 AM, 12 PM, 1 PM, 2 PM, 3 PM, 4 PM, 5 PM, 6 PM, 7 PM, 8 PM, 9 PM, 10 PM, 11 PM

Earlier Meeting 1
1 – 2pm

Earlier Meeting 2
2 – 3pm

Earlier Meeting 3
3 – 4pm

Project and Events Collaboration Recommendation System



COLAB

BCAT BUFFALO CENTER FOR ARTS & TECHNOLOGY

Home

Projects

Events

Connect

Schedule

Suggestions with Colab AI

ASSIGNED

1. Grant Tracking
2. Certificate Review
3. Document Organization

AI SUGGESTIONS

1. Design Newsletter to keep teams updated on department milestone.
2. Create a Project for Adult to track companies asset like office supplies.
3. Develop proposal for staff Health and wellness initiative.
4. Design and distribute employment engagement survey.

COLAB

BCAT BUFFALO CENTER FOR ARTS & TECHNOLOGY

- Home
- Projects
- **Events**
- Connect
- Schedule

Suggestions with Colab AI

UPCOMING EVENTS

1. Heavy Feast Event
2. Hack Review
3. Document Submission

+ Create Event

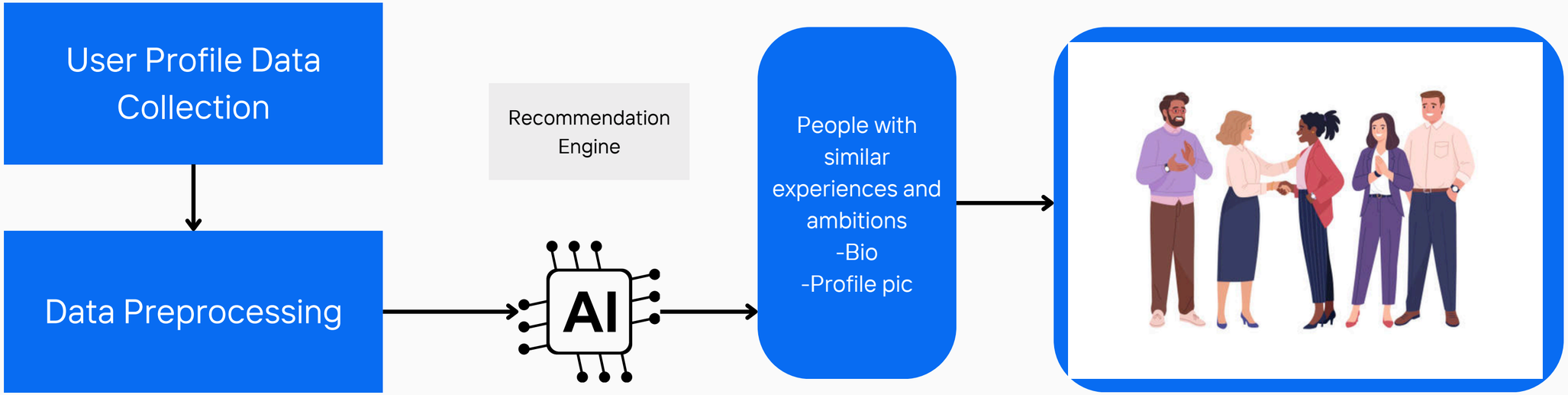
SUGGESTIONS

1. Hold an event for Adult to track companies asset like office supplies.
2. Event to propose for staff Health and wellness initiative.
3. Events including distribution pf employment engagement.

+ Manage Events

Team Collab
USER

Interesting People Finder During Events!



- Extension - Location Access for exact position of person in the room

COLAB

BCAT BUFFALO CENTER FOR ARTS & TECHNOLOGY

- Home
- Projects
- Events
- **Connect**
- Schedule

Team Collab
USER

Search connections with name or interests

Srinwanti
- Hip-Hop
- Sketching

+ Connect

Bhuvanesh
- Kayaking
- Rapping

+ Connect

Shriganesh
- Drawing
- Origami

+ Connect

Pratik
- Singing
- Woodwork

+ Connect

Sinchana
- Painting
- Sketching

+ Connect

Andy
- Tatting
- Sketching

+ Connect

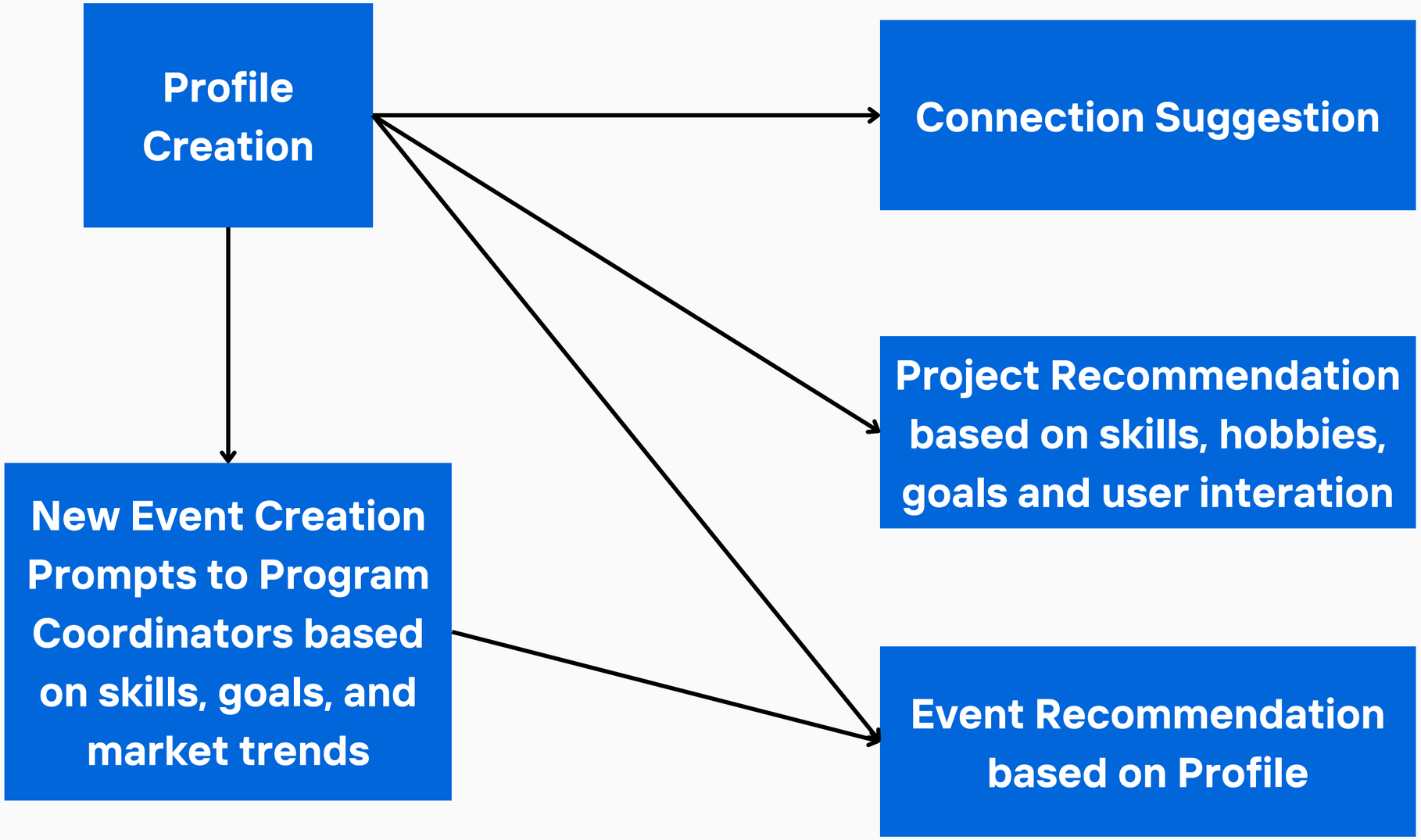
Brad
- Hacking
- Sketching

+ Connect

Snehal
- Hip-Hop
- Singing

+ Connect

Project, Event and Connections Recommendation



127.0.0.1

Devpost | Colab: AI-Powered Collaborati... | Welcome | Ctrl+Alt+Colab - Presentation...

Colab: Your one-stop application to come together.

Login | Create New Account

Select Excel File: Choose File no file selected

Make sure the Excel file has a column named **'Name'** with the list of students.

Upload and Generate Certificates

127.0.0.1:5000/dashboard

Welcome, Alice (youth)

- **Skills:** 3D printing, art design
- **Goals:** create innovative 3D art
- **Hobbies:** painting, sculpting

My Projects

My Events

Logout

127.0.0.1:5000/projects

My Projects

- **Title:** AI-Powered Art Generation Tool
  Description: Develop a tool that leverages artificial intelligence to generate unique pieces of digital art. The project involves AI model training, image processing, and UI/UX design to enable users to create their own artwork with minimal input.
  Skills Required: AI development, machine learning, UI/UX design, image processing

- **Title:** Youth Mentorship Platform
  Description: Create a web-based platform connecting mentors with youth looking to develop skills in technology, arts, or business. The platform will include mentorship matching algorithms, chat features, and progress tracking tools.
  Skills Required: web development, database management, user experience, mentoring

View Suggested Projects

Back to Dashboard

127.0.0.1:5000/projects/suggested

Suggested Projects

- AI-Powered Art Generation Tool - Develop a tool that leverages artificial intelligence to generate unique pieces of digital art. The project involves AI model training, image processing, and UI/UX design to enable users to create their own artwork with minimal input.
- 3D Printed Prosthetics for Low-Income Communities - Design and produce cost-effective, 3D-printed prosthetics for individuals in low-income communities. This project focuses on creating customizable, durable prosthetic limbs using 3D printing technology.

Back to My Projects

127.0.0.1:5000/events

My Events

- **Title:** Art Workshop
  Description: A workshop on the basics of art and creativity.
  Skills Required: art, creativity

- **Title:** Cybersecurity Conference
  Description: A conference on cybersecurity and network security.
  Skills Required: networking, cybersecurity

View Suggested Events

Back to Dashboard

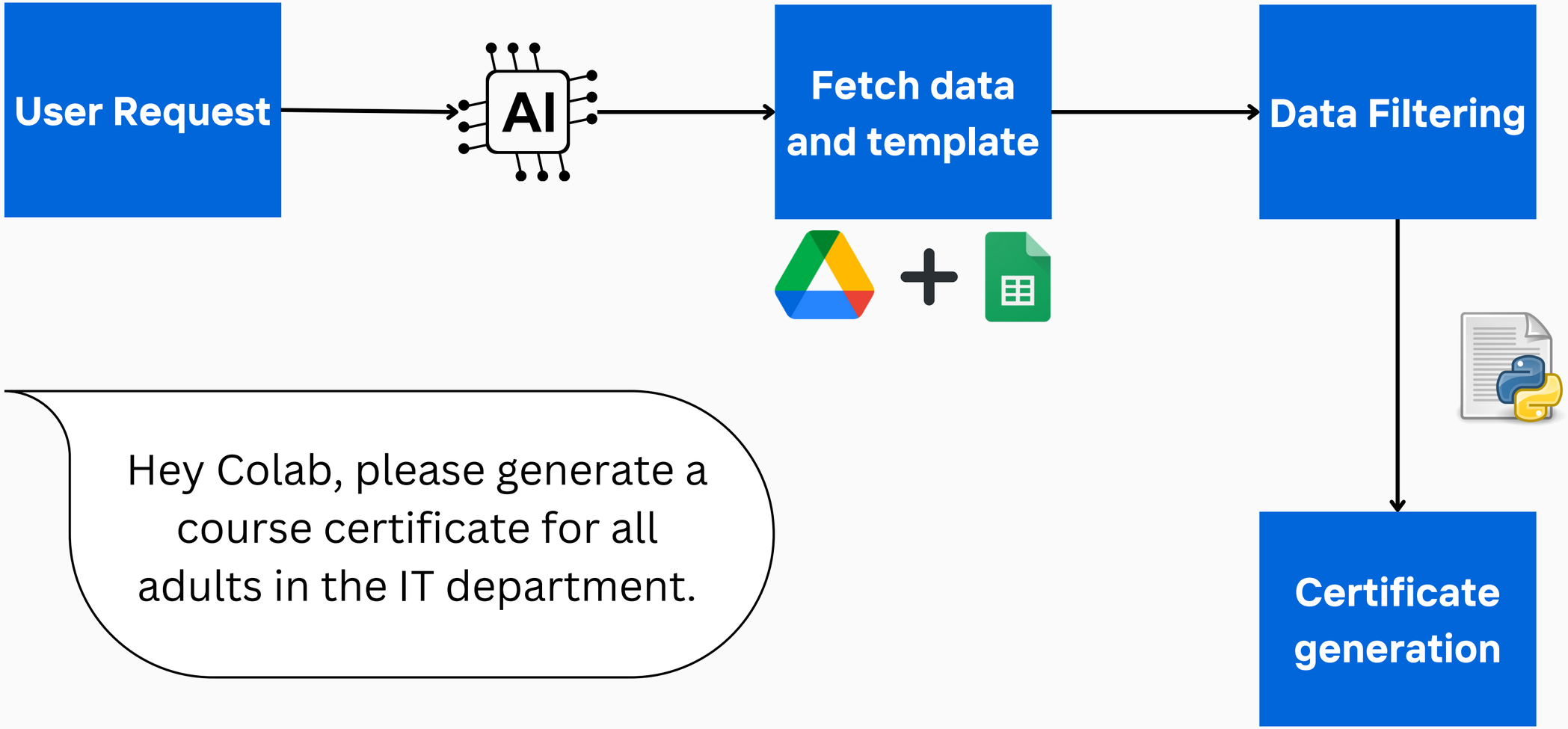
127.0.0.1:5000/events/suggested

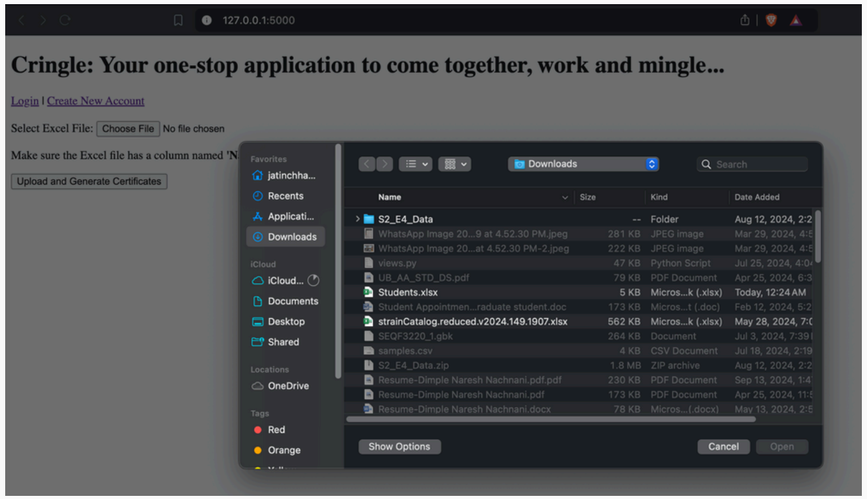
Suggested Events

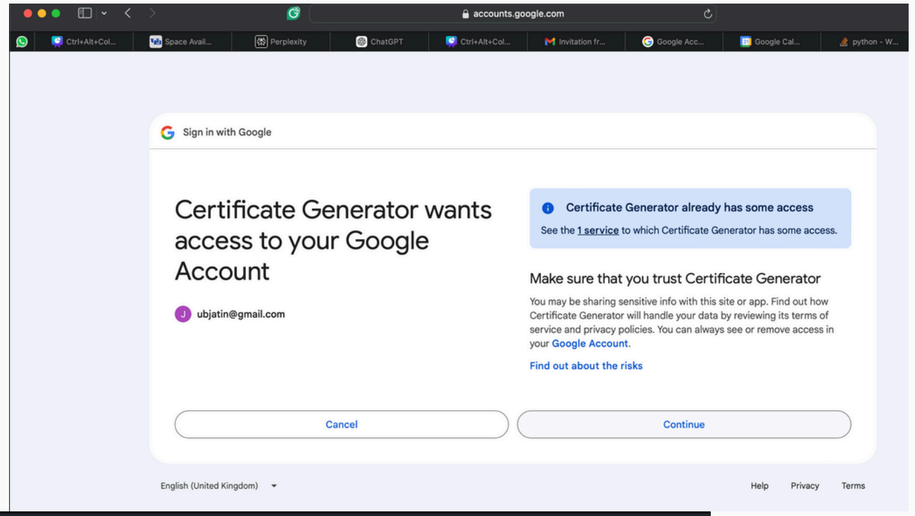
- Art Workshop - A workshop on the basics of art and creativity.
- Photography Exhibition - An exhibition showcasing photographs by young talents.

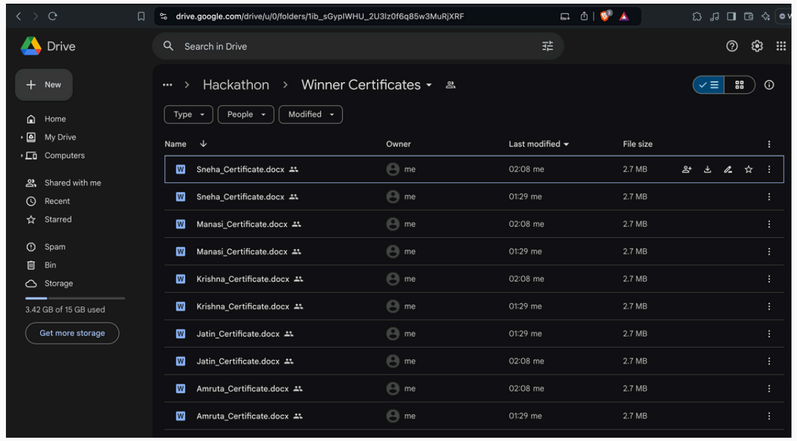
Back to My Events

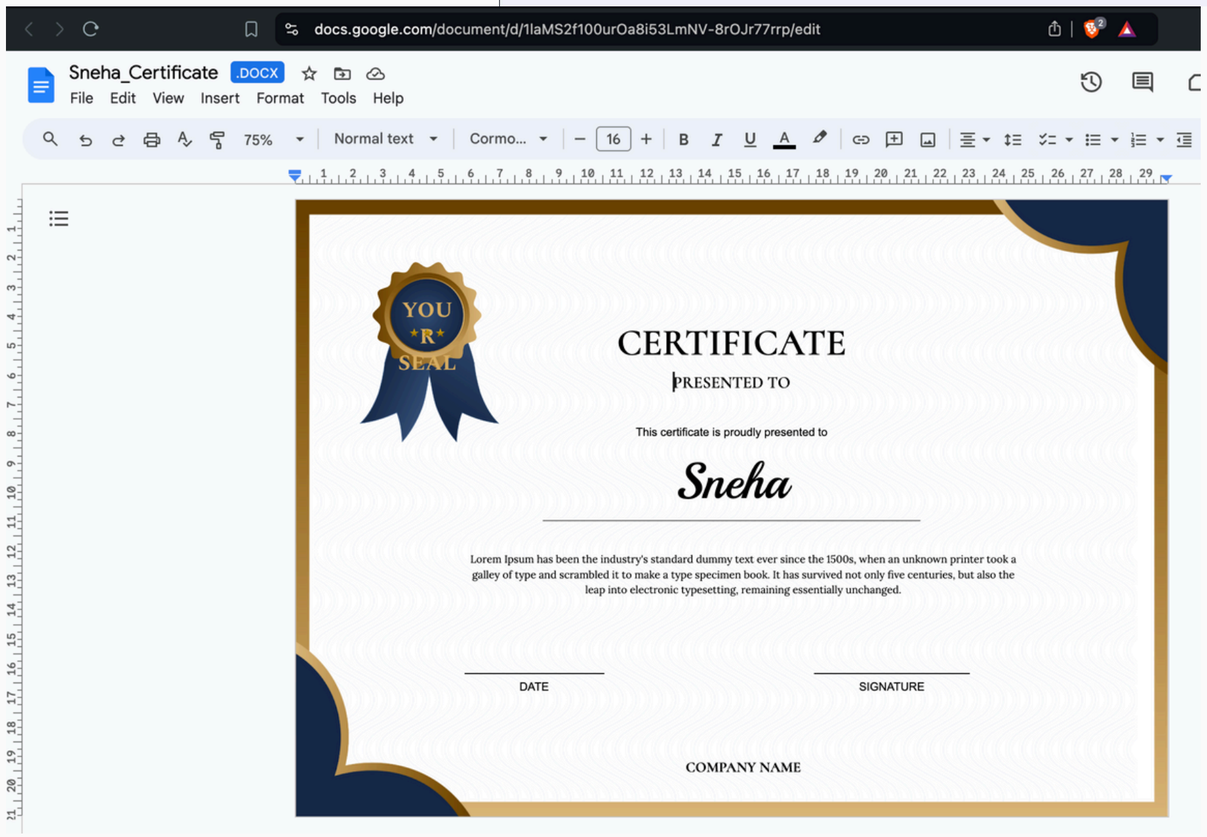
Automated Certificate Generation System




127.0.0.1:5000
Cringle: Your one-stop application to come together, work and mingle...
Login | Create New Account
Select Excel File: Choose File No file chosen
Make sure the Excel file has a column named 'N
Upload and Generate Certificates
Downloads
Show Options
Cancel
Open


accounts.google.com
Sign in with Google
Certificate Generator wants access to your Google Account
ubjatin@gmail.com
Certificate Generator already has some access
See the 1 service to which Certificate Generator has some access.
Make sure that you trust Certificate Generator
You may be sharing sensitive info with this site or app. Find out how Certificate Generator will handle your data by reviewing its terms of service and privacy policies. You can always see or remove access in your Google Account.
Find out about the risks
Cancel
Continue
English (United Kingdom)
Help
Privacy
Terms


Drive
Search in Drive
Hackathon
Winner Certificates
Sneha_Certificate.docx
Manasi_Certificate.docx
Krishna_Certificate.docx
Jatin_Certificate.docx
Amruta_Certificate.docx


docs.google.com/document/d/1laMS2f100urOa8i53LmNV-8rOJr77rrp/edit
Sneha_Certificate .DOCX
File Edit View Insert Format Tools Help
YOU R SEAL
CERTIFICATE
PRESENTED TO
This certificate is proudly presented to
Sneha
Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.
DATE
SIGNATURE
COMPANY NAME

Benefits

Increased Productivity

- Streamlines workflows and reduces time spent on administrative tasks

Enhanced Collaboration

- Facilitates seamless teamwork across departments and locations

Improved Decision Making

- Provides data-driven insights for strategic planning

Organizational Agility

- Enables quick adaptation to changing business needs and market conditions

Future Work

- Implement a gamified point/reward system to boost collaboration and engagement.
- Integrate with Salesforce for improved CRM.
- Merge all functionalities into a single web platform.
- Achieve end-to-end Google Workspace integration via APIs
- Implement voice commands in the chatbot for task automation
- Add multilingual support for community inclusivity.

Timeline

October	November	December	January	February
Planning & Research	Platform Development	Platform Development	Testing	Documentation & Maintenance

THANK YOU
A
J
K
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