Introducing **GCPI**: The Modern Data Cloud Platform

Presentazione del nuovo **G**reen Developer **G**roup **C**loud **P**isa ad **I**ngegneria
Topics: **Cloud** & **Data** engineering & **AI**

16 Febbraio 2023, Pisa

Obiettivi del GCPI

Creare un ambiente collaborativo di sviluppatori con **background** comune

Agevolare il **networking** mediante laboratori, workshop e seminari

Promuovere lo sviluppo **sostenibile** su Cloud

Progetti nel corso del 2023

Greenathon - il hackathon per lo sviluppo green, che risponde all'Agenda UN'30	Co-creazione di progetti su cloud, cross-dipartimentale e cross-labs dell'Ateneo	Target: Dipartimenti e Laboratori dell'UniPi, dove proporre il GreenTech cloud
DIIHive - incubatore per favorire lo sviluppo di idee Tech innovative tra gli studenti del DII, sul cloud	Iniziativa studentesca per introdurre il cloud come piattaforma fondamentale per il rilascio di prodotti	Target: Studenti del DII dell'UniPi, a cui viene proposto il curriculum di arricchimento su cloud dev
CloudAcademy - punto di incontro per sviluppatori con expertise diverse, provenienti da settori dell'ICT	Formazione professionale per senior developers ed interessati all'upskilling, reskilling, career switchers; Acquisizione di nuove competenze sw tramite workshop pratici, meetup	Target: Professionals nell'ambito ICT, financial services, banking, insurance, interessati al Big Data engineering su cloud e a modelli di business sostenibili

Coinvolgimento dei tre stakeholders mediante eventi Tech in presenza al GCPI

Code 2023! Calling all student developers!

Join us at the Student DIIHive opening 2023! On 15th March, 19-20h, F9, pole F. We will provide an overview of BE GREEN 2023, the Greenathon, the United Nations Sustainable Dev Goals, the tech stack you can use for your project, and how you'll get networkin' with others. More info about the Greenathon soon!

January 12 February 7-9 proposals

Ideating BE GREEN: sustainable program @computerEng.ing
Discussion about the impact

Feb 16 GCPI Kickoff

BE GREEN

Use Cloud&AI to devin', shippin' and data engineerin'
Sharpen your skills through Tech sessions, laboratories, workshops, study jams, at DII!

BE GREEN: sustainable program@comp.Eng. 2023 Kickoff, on air at CLab, Feb 16th, 12:30h

March 15 Student DIIHive opening
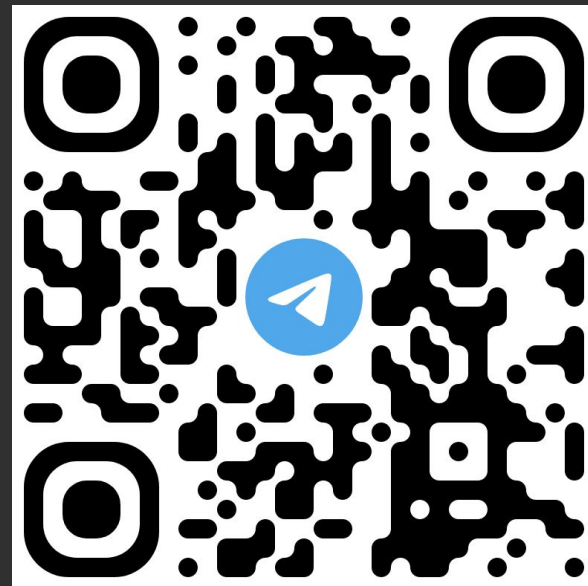
19-20h, pole F, class F9

1 **Join the initiative**

3 **Select a UN sustainable dev goal**

5 **Design the User Interface**

7 **Deploy, Test, Iterate, Repeat**

2 **Form a team**

4 **Identify a solution**

6 **Design the backend technology**

8 **Integrate, Release, Enhance, Restart**

Codice gruppo Teams:

DIIHive@Comp.Eng.

zkfm443

Sito User Group:

gcpi.tech

Contatto: info@gcpi.tech

QR gruppo Telegram:

15 Marzo
h19-20

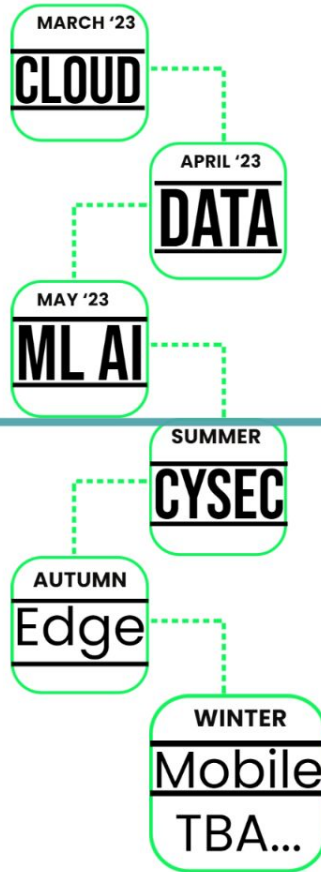Perfection
^
progress

POLO F
AULA F9 ETR

🔍 gcpi.tech

Introducing the

DII HIVE

Join us at the
Brainstorming event
of the DIIHive
@ComputerEng.ing

Kickoff meeting to
present the DevGoals,
the Greenathon,
the CloudJam

C O M P U T E R
E N G I N E E R I N G

Aree di interesse

Database relazionali	Strumenti di CI/CD e test del software su ambienti dev/prod	Containerizzazione e orchestrazione sw	Scrittura, debug, deploy del sw
Gestione di permessi e accesso a risorse cloud	Monitoraggio, logging rintracciabilità in caso di incidenti informatici	Processazione e analisi flusso dati, pipeline ETL, ELT	Persistenza su object storage bucket
System integrator e function-as-a-service	Warehouse, data lake, e ingegneria dati	AI, ML per Big Data, NLP, ChatGPT	Applicazioni ed endpoints, macchine virtuali, API gateways

GCPI.tech

Manage relational databases

Set up, maintain, manage, and administer your relational databases on the Google Cloud with Cloud SQL for MySQL, PostgreSQL, and SQL Server.

Deliver software faster and securely

Test and deploy your builds using Google's Cloud Build service, as a fully serverless and flexible CI/CD platform.

Develop containerised services

Write your code with Cloud Run and let Google manage the container. For pods orchestration, the new GKE Autopilot is the default mode.

Write, deploy and debug with devtools

Code, build, deploy, and manage artifacts using Google Cloud SDK, Cloud Code and APIs apps hosted on GCP.

Unified identity, access, app, and endpoint management

IAM lets administrators authorize who can take action on specific resources, giving full control to manage cloud resources centrally.

Integrated monitoring, logging, tracing

Real-time log management and analysis for running Prometheus and managing application performance, operating at scale to ingest application log data from GKE environments, VMs and more.

Ingest, process, and analyze event streams in real time serverlessly

Access native integrations with Vertex AI Workbench, BigQuery and Datastream. Ingest and analyze with Pub/Sub and Confluent Cloud™. Unify stream and batch data processing with DataFlow.

Scalable data storage

Cloud Storage lets you store any amount of unstructured data, and retrieve it as often as needed. Easily optimize costs with object placement across storage classes.

info@gcpi.tech

FaaS and system integration

Eventarc, Scheduler, Workflows, Tasks and Cloud Functions for observability, reliability, and security. Optimise costs with a modern, serverless, event-driven solution.

Data warehouses and lakes

Spanner for migration of Oracle or DynamoDB; AlloyDB for PostgreSQL with Migration Service; Bigtable for HBase or Cassandra; Firestore for mobile document database.

AI/ML

A complete suite of data management, analytics, and machine learning tools to generate insights, unlock value from data, high performance training and processing.

PaaS, IaaS, API Gateway

Run multi-cloud, on-premise containers with Anthos; Run VMs with Compute Engine; Manage serverless API gateways with Cloud endpoints; deploy apps on App Engine.

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Grazie per l'invito!🙂

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