12-MONTH PROGRAM

TIMELINE

GCPI

MARCH '23
CLOUD

APRIL '23
DATA

MAY '23
ML AI

SUMMER
CYSEC

AUTUMN
Edge

WINTER
Mobile
TBA...

Monthly path

Seasonal plan

CLOUD DATA HIVECAMP

COMP.ENG.ING., UNIPI

15 Marzo
h19-20

Perfection progress

POLO F
AULA F9 ETR

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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

COMPUTER ENGINEERING

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.

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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.