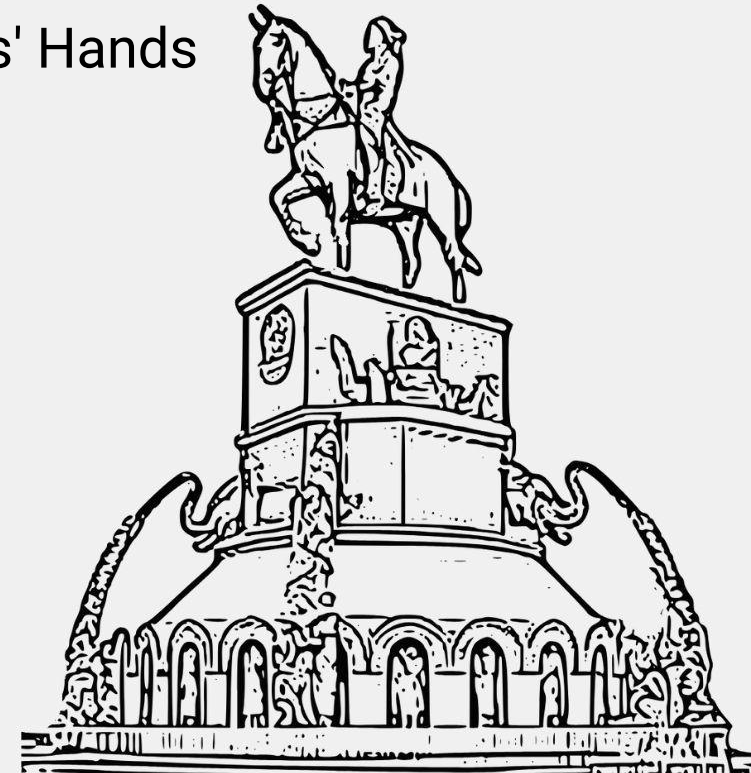
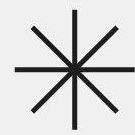
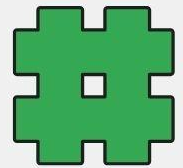
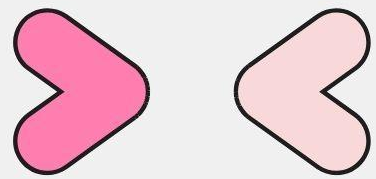
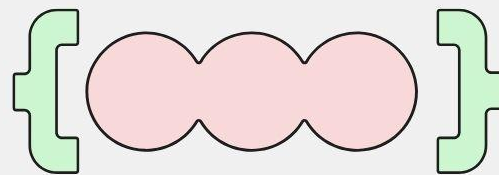
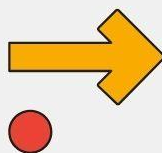
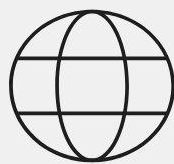


The Journey of an App: From Idea to Users' Hands

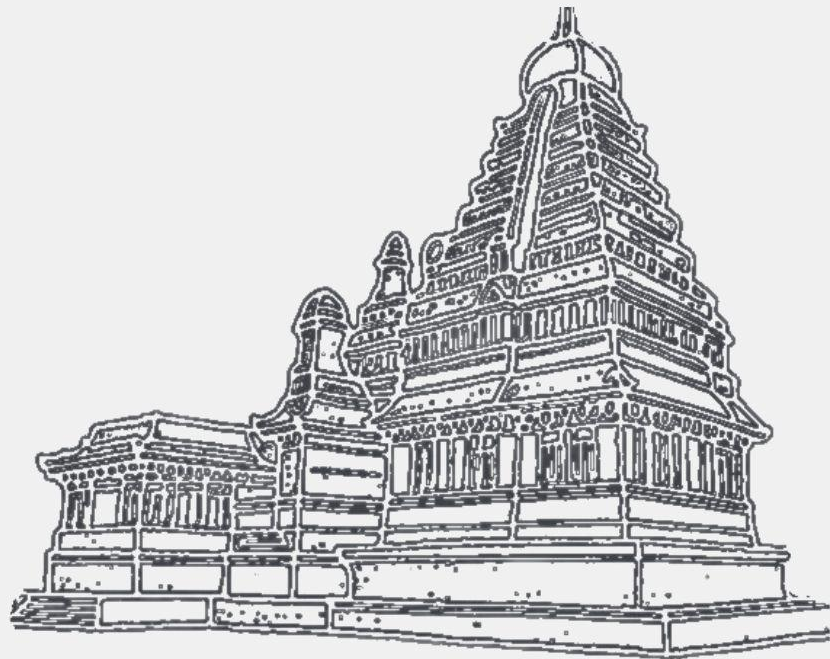
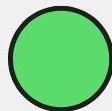
Ravi Vishwakarma

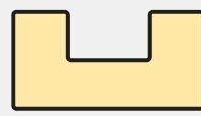
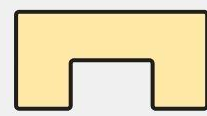




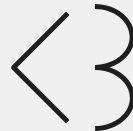
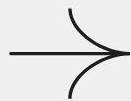
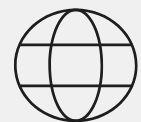
About Me

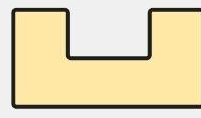
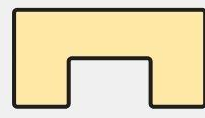
- Working as OpenShift Engineer
- Silver medalist IndiaSkills 2024 - Cloud Computing
- CKA, CCA, CLA, RHCSA..many more



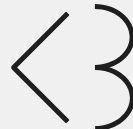
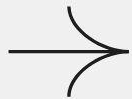
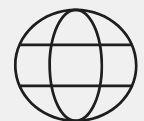


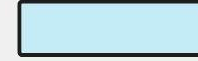
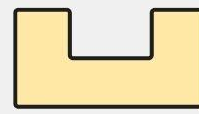
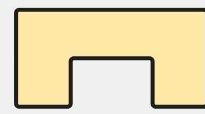
Devfest 2022 - Attendee





Devfest 2023 - Volunteer






Devfest 2024 - Speaker



Google Developer Groups



Saturday, 21 Dec 2024

CSMSS Engg.


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19+ Speakers 5 GDE's 20+Sessions 600+ Attendees Speakers from 2 states-4cities Multi-Swags



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GDE Payments | Sc.
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Ankush Kathar
CTO @Unnati Development & Training Centre Pvt Ltd




Ashutosh Bhakare
CTO @Unnati Development & Training Centre Pvt Ltd, GDE




Dharmesh Vaya
Solutions Architect - @Balo Alto Networks, GDE




Ganesh Kharde
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Gaurav Janjal
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Mangesh Dabaki
Technical Program Manager at Razorpay Cloud




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Manager at Razorpay



Pavan Wankhade
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Pratik Kale
Software Engineer @Impulsive Web, Organizer GDD Pune




Rachana Bhakare
Senior Platform Instructor @Unnati Development & Training Centre Pvt Ltd



Rahul Kulkarni
Product Team @Safranostays



Ravi J. Vishwakarma
OpenShift Engineer @CitrusCloud




Satyam Gondhale
Associate Consultant @GlobalLogic




Shantanu Deo
Software Engineer @Royal Cyber Inc.



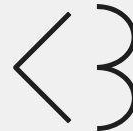
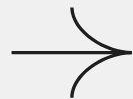
Siddhi Khair
SRE/DevOps

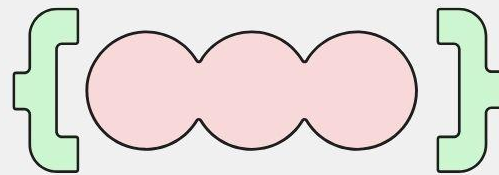
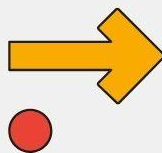
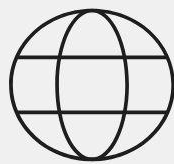


Swanand Joshi
Associate DevOps Instructor @Unnati Development & Training Centre Pvt Ltd



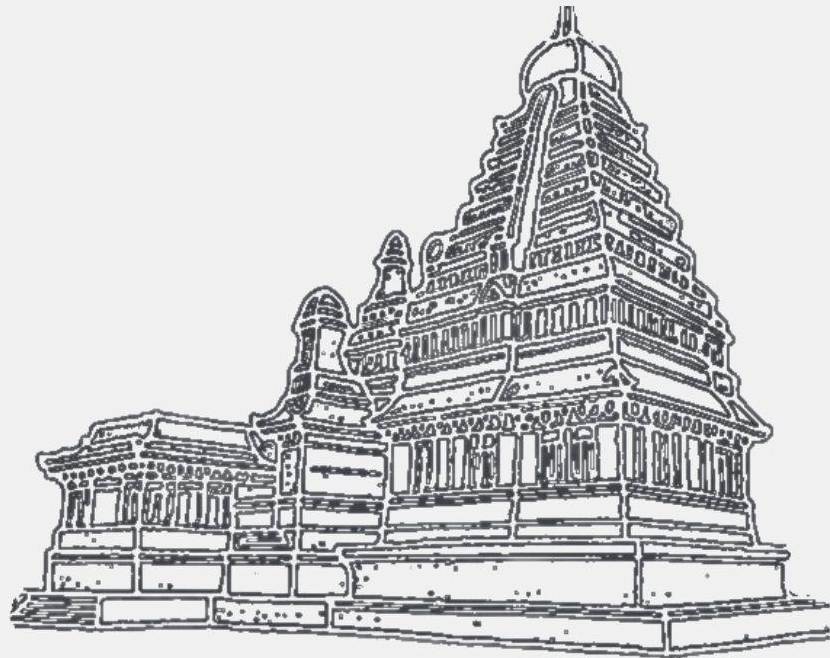
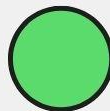
Toshali Khawale
Vice President - Engineering Manager @JPMorgan Chase & Co.

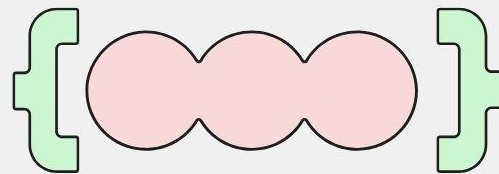
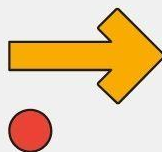
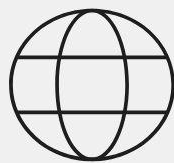




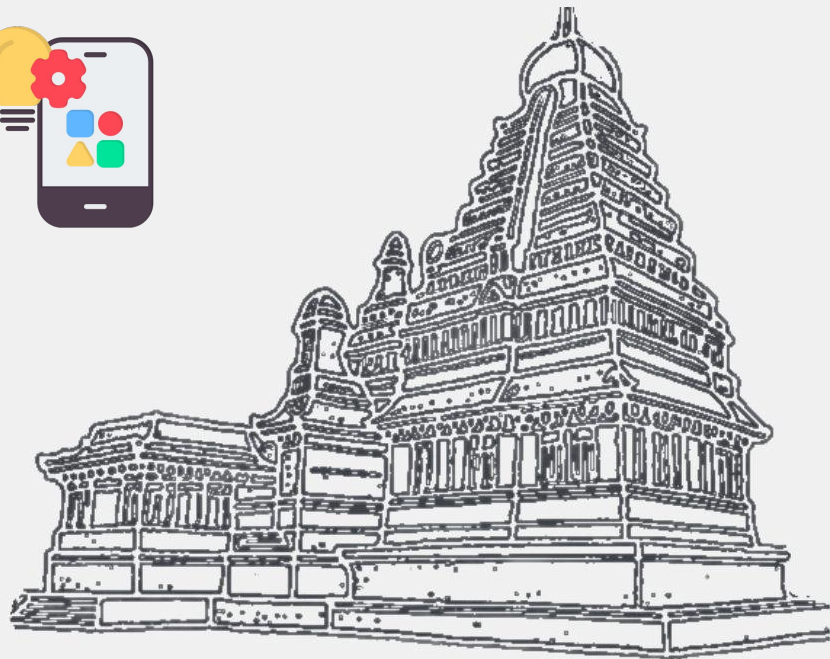
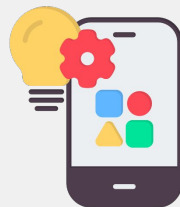
Agenda

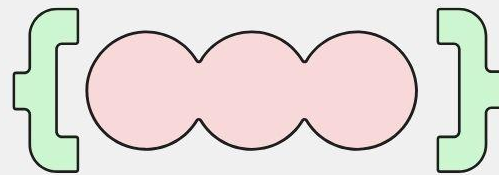
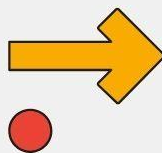
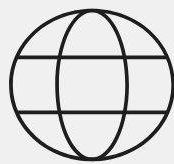
- Introduction
- Ideation
- Right Application Architecture
- The Power of APIs
- Tools to Simplify the Process
- Cloud Platforms
- Resources to Continue Learning





Introduction

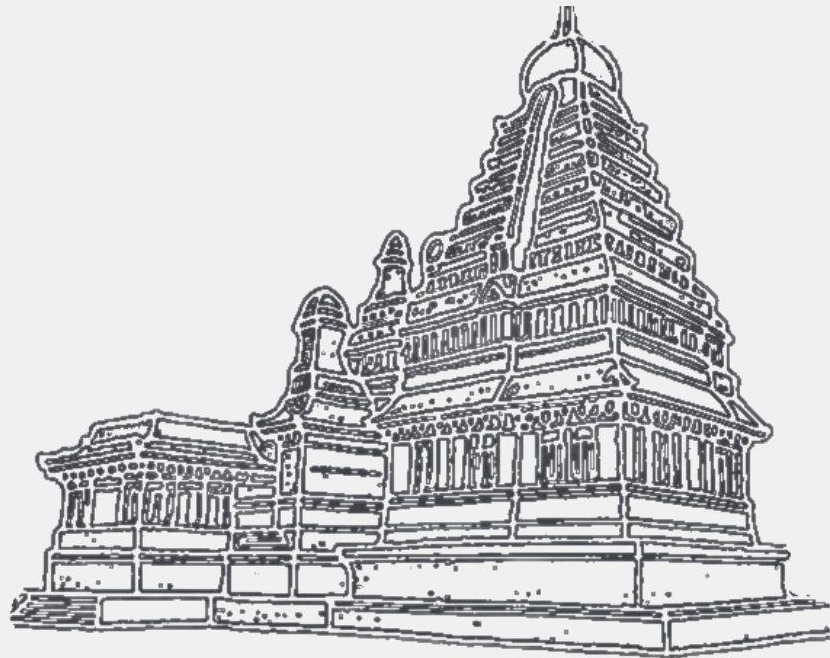
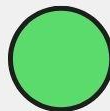


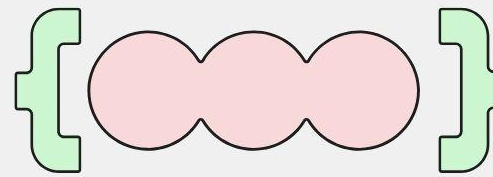
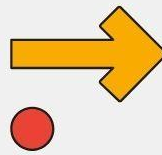
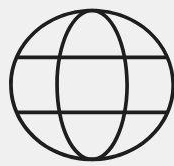


Ideation: Where It All Begins

Let's make a Todo list application:

- Users Authentication
- CRUD operation on Todo's





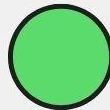
Right Application Architecture

- Monolithic / Microservice

Monolith



Microservices



- Database
- User authentication
- CRUD operations
- UI

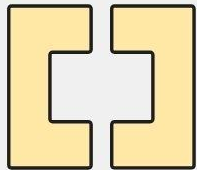


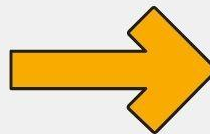
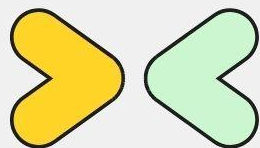
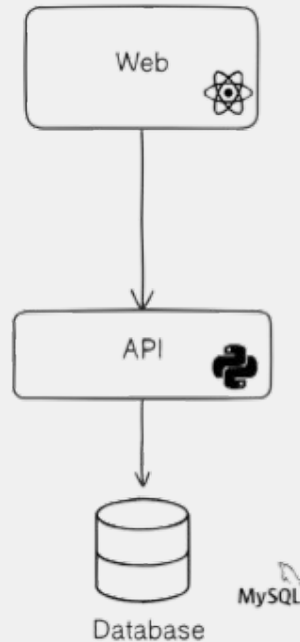
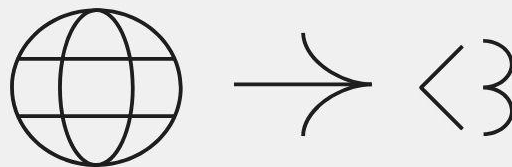


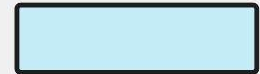
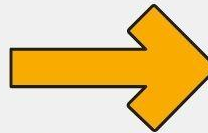
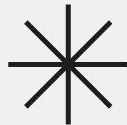
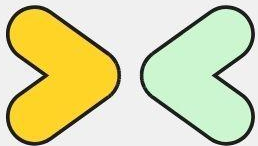
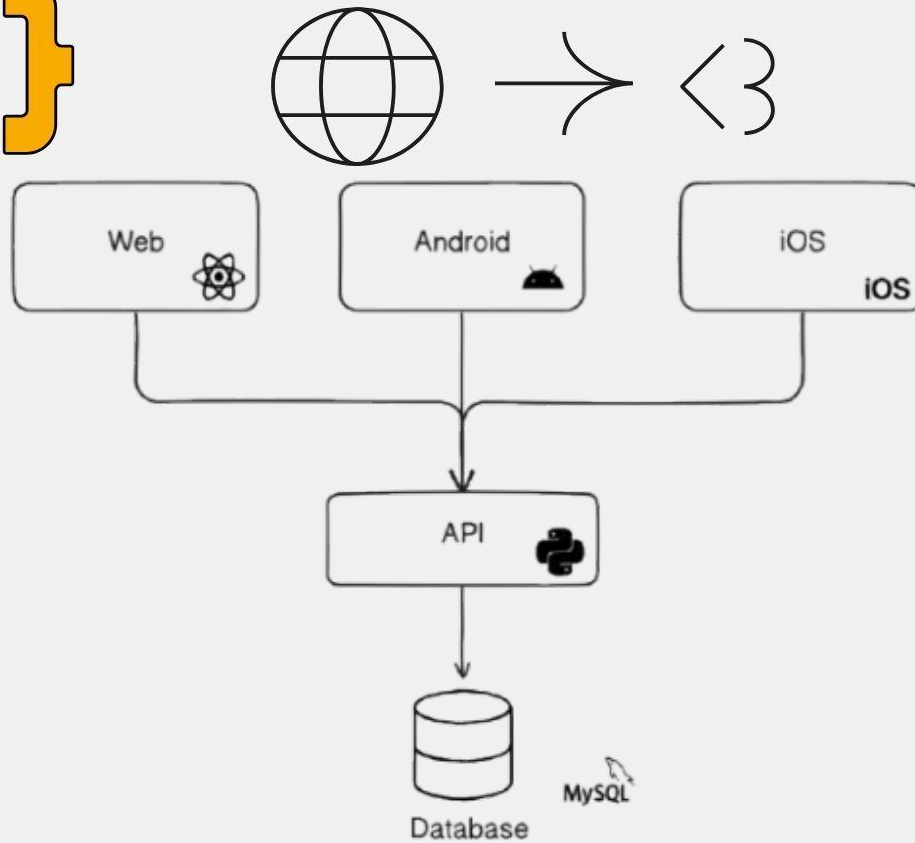
The Power of APIs

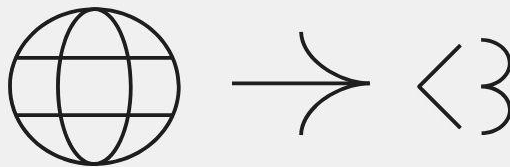
API - Application Programming Interface

Allows communication between two entity irrespective of their programming language









Tools to Simplify the Process

Code Editors: Visual Studio Code, IntelliJ IDEA.

Version Control: Git, GitHub, GitLab.

Containerization: Docker, Podman.

Orchestration: Kubernetes, MiniKube, .

Project Management: Jira, Trello, or Notion.

Testing: Postman, Selenium.

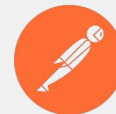
CI/CD: Jenkins, GitHub Actions.



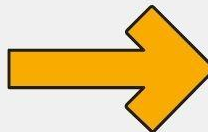
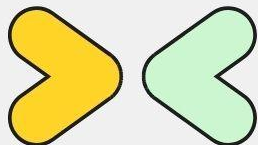
kubernetes

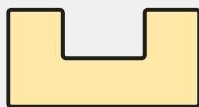


git



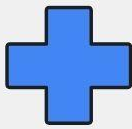
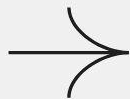
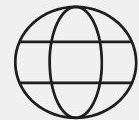
POSTMAN

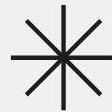




Cloud Platform

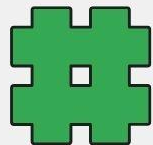
Option	Best For	Scaling	Ease of Use	Cost
App Engine	Simplified deployments	Automatic	High	Moderate
Cloud Run	Containerized apps	Automatic	Moderate	Pay-per-use
GKE	Complex, containerized workloads	Configurable	Advanced	High
Compute Engine	Custom setups	Manual or Managed	Moderate	Flexible
Cloud Functions	Event-driven services	Automatic	High	Low
Bare Metal Solution	High-performance APIs	Manual	Advanced	High
API Gateway	API management and security	NA	High	Add-on

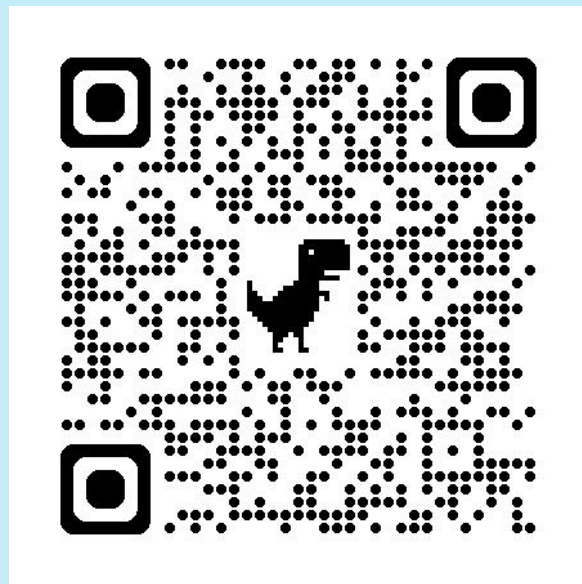
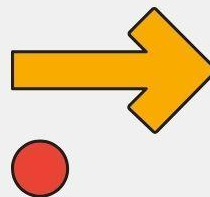
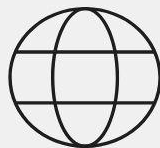




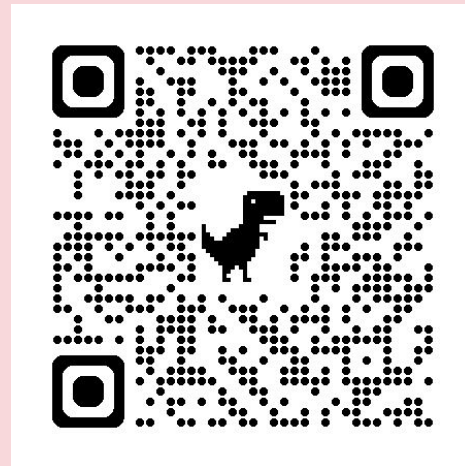
Resources:

- <https://academy.jetbrains.com>
- <https://academy.postman.com>
- <https://www.freecodecamp.org/news/apis-for-beginners-full-course>





Connect with me



Access the slides

