

Foundation

Foundation Javascript, async nature of JS

Node.js and its runtime

Databases (NoSQL/SQL)

Mongo and Postgres deep dive

Typescript beginner to advance

Backend

Backend communication protocols

Express basic to advance

ORMs

Middlewares, routes, status codes, global catches

Zod

MonoRepos, turborepo

Serverless Backends

OpenAPI Spec

Autogenerated clients

Authentication using external libraries

Scaling Node.js, performance benchmarks

Deploying npm packages

Frontend

Reconcilers and Frontend frameworks

React beginner to advance

Internals of state, Context API

State management using recoil

CSS you need to know of, Flexbox, basic styling

Frontend UI frameworks, Deep dive into Tailwind

Containerization, Docker

Next.js

Custom hooks

In house auth using next auth

Basic Devops

Docker end to end

Deploying to AWS servers

Newer clouds like fly/Remix

Nginx and reverse proxies

Projects

GSoC Project setting up and issue solving

Building Paytm/Wallet End to End