

Enigma

The Computer Science Club

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Why *Enigma*?

Forks

Membership

Club Activities

Competitive Coding Fork

Full Stack Fork

Web Development

App Development

Cybersecurity Fork

Ethical Hacking

Blockchain Technology

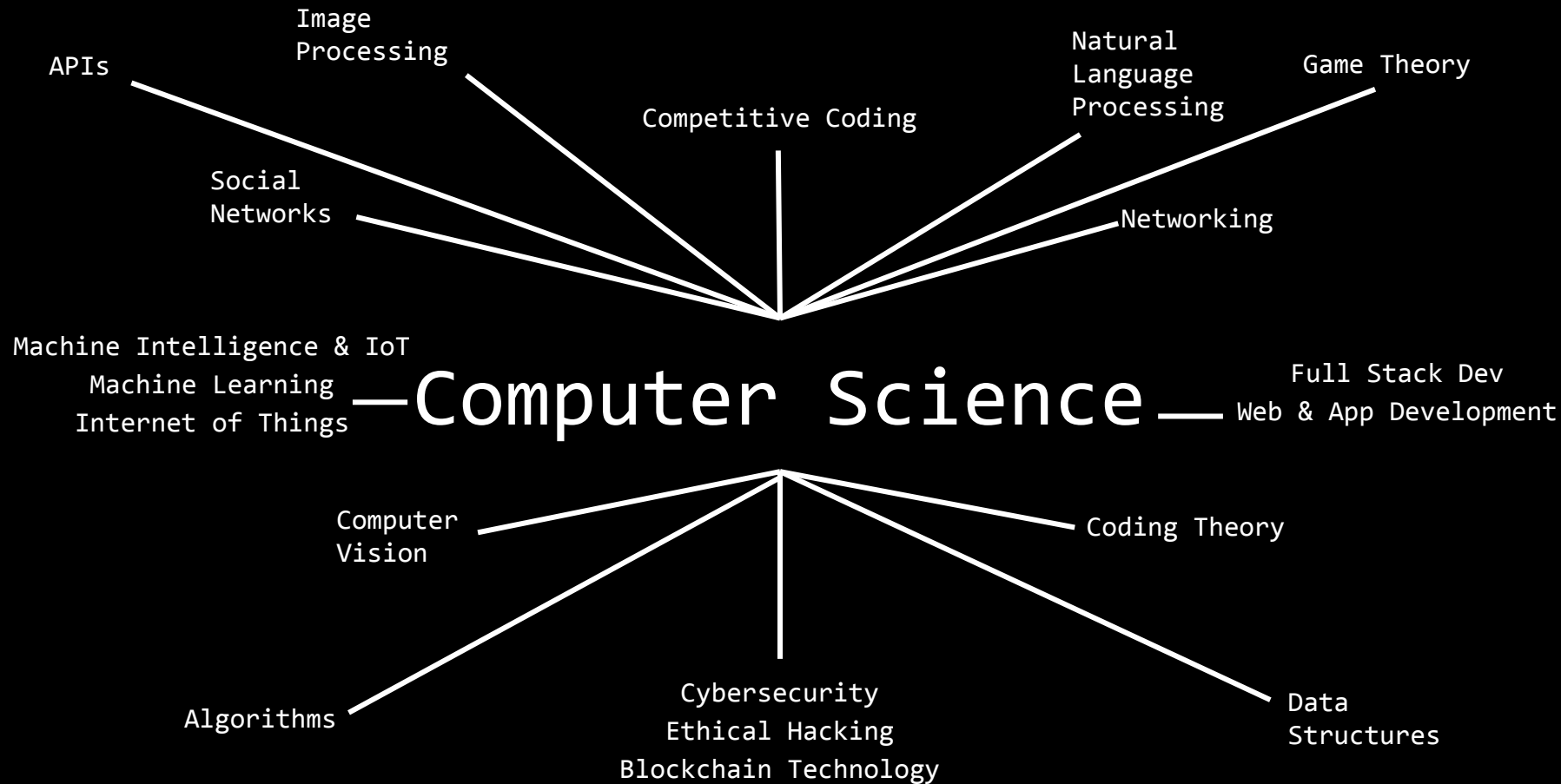
Machine Learning and IoT Fork

Machine Learning

IoT

Why *Enigma*?

Structure



- > official *forks* of the club

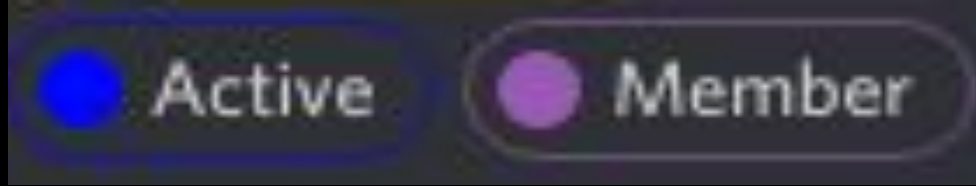
- > additional one session per week

- > dedicated to the discussion on upcoming trends and areas of interest
in Computer Science

Open Source Focus

- > Security is a major concern
- > Free Software has always been very popular
- > transparency between the developers and users
- > encourages open collaboration between people

Enigma is open to @everyone



Active Members
“GET SPECIAL STATUS!”

Titles and fork representatives have been inspired by *git* and *GitHub*

- > Owner (President)
- > Collaborator (Vice-President)
- > Moderator (Secretary)
- > Master (Head)
- > Stage (Vice-Head)

Club Activities

Beginner

Intermediate

Advanced

> Session A - Introduction of topics, Beginners -> Intermediate

> Basics and Fundamentals

> Session B - Intermediates -> Advanced stage

> Project-based approach

> Members would be exposed to hackathons, panel discussions, coding competitions, developer challenges, hackathons, reading sessions etc.

> Mentorship Program

Competitive Coding

- > Coding – set of instructions to perform a task
- > Engineers need problem solving skills
- > Computers are faster than humans
- > Competitive coding – best solution least time
small space less complex

- > Every branch of science needs coding
- > CSE students – Job interviews , ACM ICPC
- > After Competitive Coding finding optimal solutions is easy
- > 1st years – good start for upcoming cs courses

Overview

> Dividing in 2 parts

> Weekly sessions

> Codeforces

> Hackerrank

> Weekly coding contests

> Semester end goal

Machine Learning & IoT



Internet of Things

Ethical Hacking

Blockchain Technology

Blockchain?

- What is blockchain?
- Working of blockchain.
- Versions of Blockchain with examples.
- Use cases of blockchain technology.

Cryptocurrency?

Implementation of Blockchain

- Blockchain platform using:
 - HyperLedger
 - EOS
 - Ethereum
- Smart Contracts

Web Development

Advantages

- > All you need is your laptop and the Internet
- > Be your own Boss
- > You can build your ideas from literally nothing
- > More internship opportunities
- > Marketing

The Plan

- > We will learn to design, develop, deploy together
- > Will work on different stacks
- > Monthly project based learning

Stacks/Tech we plan to cover

- > Basic HTML/CSS3/JS
- > Django
- > Firebase
- > Vue
- > Angular
- > React
- > Flask
- > MySQL
- > Node js
- > Mongo DB

Deployment

- > Heroku
- > OpenShift
- > Firebase
- > Github pages
- > Configuring
domains

Application Development

Impact of Applications

Uber

BookMyShow

Swiggy

Paytm

Amazon

Gaming Apps

App Development

Why Android?

Holds 86.6% of global smartphone market share

Easier to get started with

Why iOS?

Since iPhones are more secure, they are preferred by Businessmen and other people who want to keep data secure. Also, it is better to be able to develop applications for both iOS and Android Platforms.

iOS App Development

Requirements :

- Xcode/Swift
- Experience in C/C#
- Easier with a Mac OS

Importance :

Since iPhones are more secure, they are preferred by Businessmen and other people who want to keep data secure. Also, it is better to be able to develop applications for both iOS and Android Platforms.

Multi Platform Development

Flutter

Flutter builds applications simultaneously in both Android and IOS Environments. Very useful for multi platform applications.

Requirements :

- Flutter Software
- Flutter Plugins for Editor
- Dart Plugins and Experience with Dart

Importance Of Applications

- Implementation of Technology
- Evolution of Technology
- Portability and ease of use

Any Questions?

Thank you