

#CreateImpact



SCALER   
PRESENTS

# CHENN<I H>CKS

Powered By

svami

cowrks<sup>∞</sup>

 GitHub

H2S

 Codiga

» rocketlane

 waycool

DATE  
26<sup>th</sup> - 27<sup>th</sup> March

TIME  
12pm - 12 pm

VENUE CoWrks, OMR, Chennai

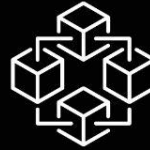
# Tracks



HEALTH



FINANCE



BLOCKCHAIN



EDUCATION

# Health

# Detect absence/presence of clinical conditions from patient transcripts

- Consider patient transcript like this

No history of glaucoma, head injury, vertigo, motion sickness. Hearing is ok. Visible trauma on upper torso.

- Output format could be like following

ABSENT: glaucoma

ABSENT: head injury

ABSENT: vertigo

ABSENT: hearing impairment

PRESENT: torso trauma

# Triaging for Telemedicine/Appointments

- Many people book appointments at hospitals (or app/phone consultation)
- Problem: Which specialist to book appointment with
- Automated Triage System
  - Gather information like “pain in stomach”, or “pain in hand/leg” or “difficult passing urine”
  - Map cases to specialised departments like Orthopedics (for bone pain), Urology (for urine trouble) etc.
  - Example: Chatbot or FlowChart like UX

# Education

# College Admission Prediction

- Assessment of probability of college admission is important for test-prep educational programs
- Assess the probability of admission to different colleges based on background data of a student
- Data of student can include
  - CAT, GMAT, GRE scores
  - College GPA
  - LORs by mentors, SOPs written by student
- Can refer to sample dataset found -> [here](#)

# Online Learning Platform / Classroom Management System

- Live classroom (1-many live video streaming)
- Live chat for instructor-student interactions
- Live quizzes and polls in classroom
- Ability to share content like recorded videos, documents
- Assessment platform (MCQs and other evaluations)



# Share and collaboration

- Build an application platform which developers can use to capture their work-based experiences, project building experiences and share these learning experiences with other community members through text, photos, or videos.
- Theme
  - The focus should be to develop a platform that allows community members to share their work experiences and projects with others.
  - The application should be capable of enabling interactions

# **Blockchain**

# Detecting faulty nodes on a blockchain

- An important in blockchains is to detect nodes that behave abnormally, and have to be pruned (removed from the network).
- For understanding of what data we have about nodes (and a sample dataset) check below
  - [Node parameters](#)
  - [Sample Dataset](#)

# Blockchain-based E-auction System

- In Govt and B2B marketplaces, auctions and tenders are the primary way of price discovery for big projects
- Build a system to implement sealed-bid based auction tendering system based on blockchain
- Implement smart contracts to judge qualifying bids (based on minimum technical requirements for the bid)

# Finance

# Generate credit-rating for MSMEs based on business data points

- Small and medium businesses need credit for cash flow and investing into new business lines
- Disbursing credits to small businesses needs understanding of their credit worthiness.
- Calculate credit-worthiness based on past data of the given business.
- For reference, check a [sample dataset](#)

# **Build an utility/insights-based app based on public stock-trading APIs.**

- Use best software design patterns to create an application that helps to get insights based on publicly available APIs providing information regarding stock trading
- Example. Yahoo Finance APIs

# Personal finance tracker / dashboard

- Single unified platform to show spending, net assets, portfolio and other personal finance data of an individual
- Currently most of these solutions (spend tracking, investments etc) are available over fragmented separate apps and websites
- This could be a single-stop solution for all personal finance needs