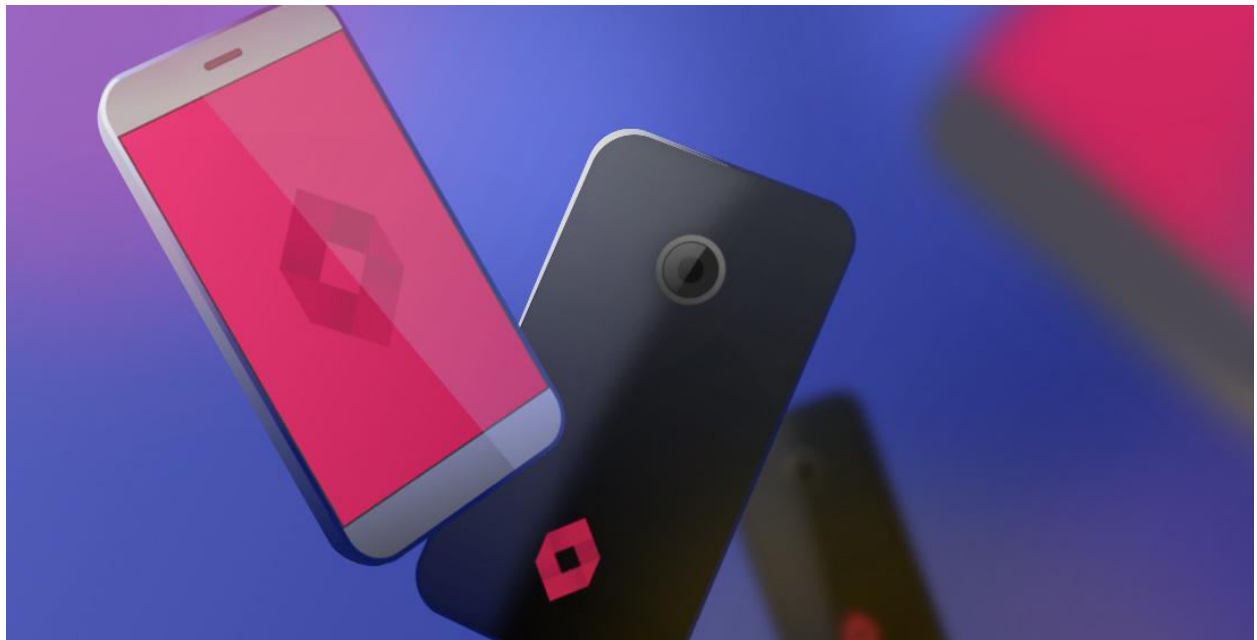


CODEX ITER

CODEX Newsletter

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FROM OUR MEMBERS:

★ SCRUM MANAGEMENT :

Harshita Raj(batch 2018-2022)

Harshita Raj (batch 2018-22) is a magnificent web-developer who is an active Open Source contributor. Her project Scrum Management has been an ongoing project under various open source programs such as AOS, SWOC, SLOP, etc. It is built on EJS. For front-end they've used HTML, CSS and Javascript, and MongoDB for back-end. It is completed upto 60% and open for valuable contributions. It is a project built for helping

various organizations to summarise all projects under one roof. She along with her team have developed a single page website login system and another page for students who are working on different projects. In another page they have an admin option where one person can be assigned as a mentor for a student and guide him/her throughout the project by viewing the details of the project and the project under different columns like a Kanban board. Also as soon as they accept their profile will be shown under different cards that the student's project has been assigned with a mentor. So there are different columns with cards such as sticky notes which can be shifted through one column and another. The code is available on <https://github.com/Harshita248/Scrum-Management>

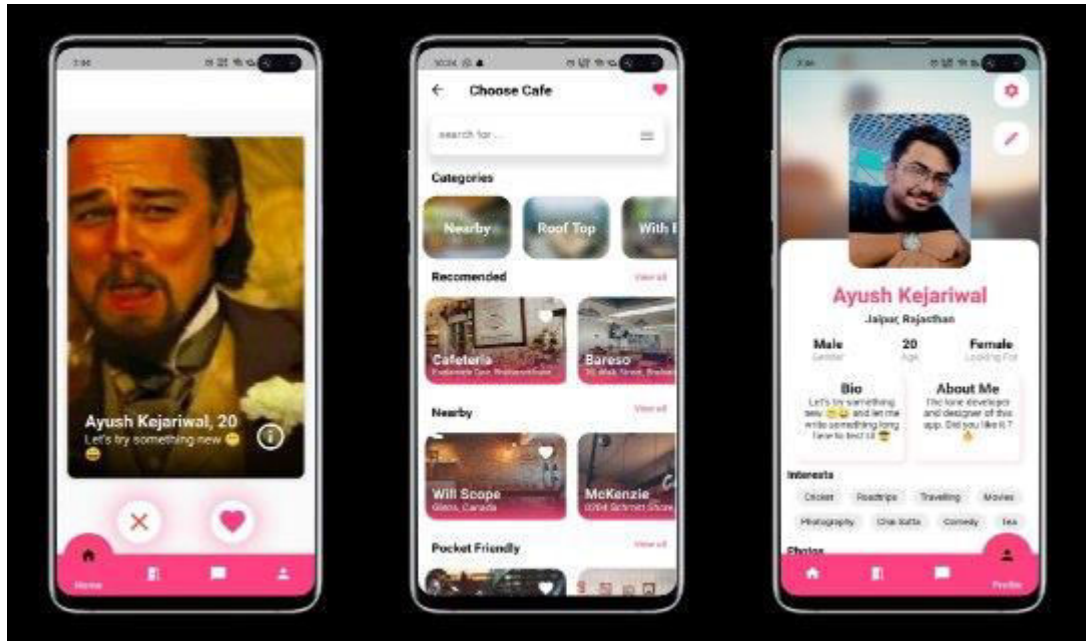


★ DATING APP :

Ayush Kejariwal (batch 2019-23)

Ayush Kejariwal (batch 2019-23) is a wonderful Flutter developer who has created a marvelous Dating app that takes matches directly to the real world. It is made using Flutter and Firebase. The motto of the app is, "Engage with people not apps". The app directly skips the tireless texting and directly generates meetings for dates. It's an innovative initiative taken by Ayush and his team to develop this app. It was an immense pleasure for them to turn their perspiration into inspiration to learn new functionalities to implement with the app, along with modern UI and minimal design. Thanks to the whole

Flutter community for making useful plugins that can be helpful to the community members.

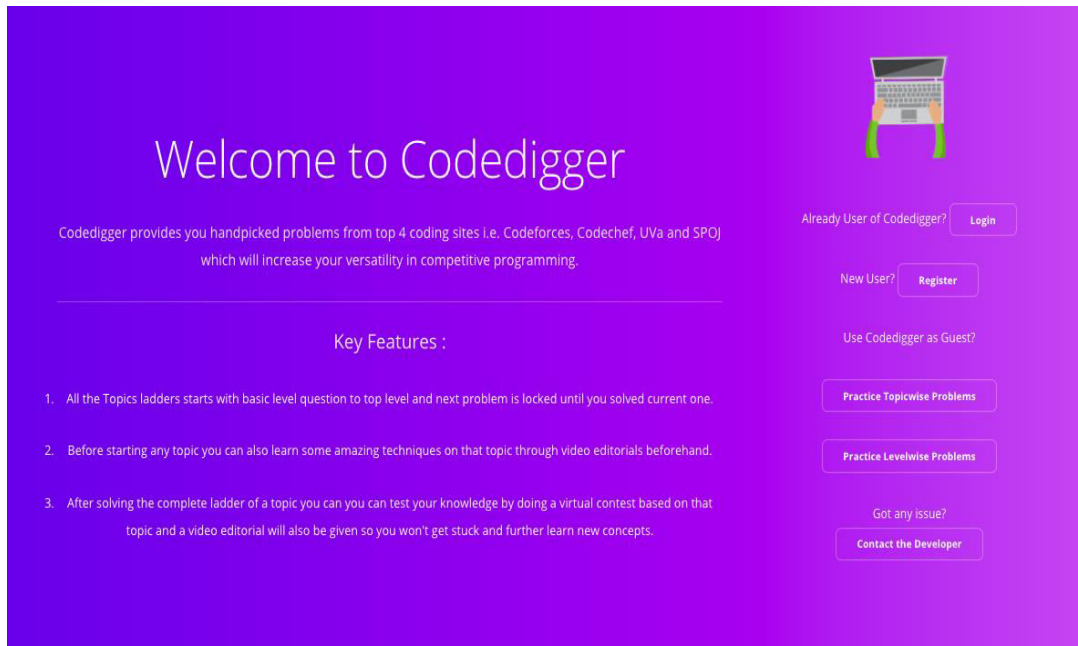


★ CODEDIGGER :

Rishika Wadhera (batch 2019-23)

Rishika Wadhera (batch 2019-23) is a fabulous web-developer who has built the frontend of codedigger.tech website using ReactJS. It is a website that provides selected problems from the top coding sites (Codeforces, Codechef, UVA and SPOJ) to enhance skills in competitive programming. It has features like upsolve, profile, mentors, friend list etc. The website sorts out all topics as a ladder of easy to hard questions. Before diving into any topics, the website provides amazing techniques through video tutorials. After solving the complete ladder, users can test their knowledge by doing a virtual contest based on the topic they learnt.

Website : <https://codedigger.tech/>



★ ENGLISH PREMIER LEAGUE STATS WEBSITE :

Tarique Nasar (batch 2019-23)

Tarique Nasar (batch 2019-23), an outstanding python developer, is currently working on a Website to show the English Premier League (EPL) players statistics and compare them. Then a team picker will pick the user's fantasy premier league team. The data scrape has been implemented using Scrapy and Selenium. ReactJS with Django REST will be used for further development of the website.

★ KUNDLI JYOTISH WEBSITE :

Saniya Ahuja (batch 2019-23)

Saniya Ahuja (batch 2019-23), an amazing web developer, is currently working with Krash IT on an Astrology website for a client. She has been assigned for the front-end development of the project. She has used HTML, CSS, Bootstrap and Javascript to build a beautiful UI and front-end for the Kundli Jyotish Website.

 Globalization

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Abstract

ACHIEVERS SECTION :

First Runner up of Trithon 2021 goes to Team Warriors.

Team members are Abhinandan Roul, Anshuman Mohapatra, Sourav Bera, Sunanda Samantaray and Shubhaprasad Padhy. In the Trithon they won 2nd place by mitigating the problem statement(PS115), Plantmedic which basically helps farmers and students to identify plant diseases, weeds, nutrient deficiency, and crop variety detection.

Plantmedic functions both as a website and an app. They have utilised Android Studio and implemented the code script in java (for app) and in ReactJs (for website). They have used tensorflow lite models to implement it in the android application. Data has been procured from a variety of sources like the Plant Village dataset, DeepWeeds dataset and sourced many other images from various Govt. websites to build and train an effective machine learning model.



Let us hear what participants have to share with us.

Abhinandan Roul: “ The organizing committee of Trident was commendable. They assigned volunteers for each team for better communication. My part was in ML, involved data collection, pre-processing , model training and evaluation. “

Anshuman Mohapatra: “ The experience was amazing although coordinating was a bit difficult as each one of us were far away from each other. My contribution was in making websites, using React J's to make web app, and using firebase for authentication and storage. Trithon got talent was a stress buster that helped us rejuvenate. “

Sourav Bera: “It was a fantastic experience, team members were very co-operative, Organisers were also co operative and handled the proceedings well. My Contribution was in crops and disease detection, with pests detection. Also handled APIs for performing ML over the web app. I planned at making the app work offline. “

Sunanda Samantaray: “ This was my first hackathon experience. Being at a different geographical location didn't drift the coordination nor the work process as each one of us contributed significantly in the whole process. I contributed in one of the key features that we had in our app I.e, I suggested having various regional languages so that it will be accessible easily for anyone who doesn't have knowledge rather than the local language. “

Shubhaprasad Padhy: “ It was my first 24 hours online hackathon. It was different because we were isolated and connected via the internet. I contributed by implementing the machine learning models provided by my teammates using tensorflow lite library for android. “

Thank you all for sharing your experiences, once again congratulations for winning 2nd prize.



UPCOMING CODING EVENTS :

Google's Coding competitions :

Google's Code Jam is a coding competition that consists of a set of algorithmic problems which must be solved in a fixed amount of time. **Google's Kick Start** is a coding competition to hone coding skills with algorithmic puzzles and is mostly meant for students and those who are new to coding competitions.

[Visit the website for more details](#)

Google Summer of Code :

Google Summer of Code is a global program focused on bringing more student developers into open source software development. Students work with an open source organization on a 10 week programming project during their break from school.

[Visit the website for more details](#)

CodeChef March challenge :

Codechef is a competitive programming community where programmers from across the globe participate and compete in various contests every month (Long Challenge, CookOff & LunchTime).

[Visit the website for more details](#)



LATEST TECH NEWS :

Flutter 2 :

A major upgrade to Flutter that enables developers to create beautiful, fast, and portable apps for any platform. With Flutter 2, you can use the same codebase to ship native apps to five operating systems: iOS, Android, Windows, macOS, and Linux, as well as web experiences targeting browsers such as Chrome, Firefox, Safari, or Edge. Flutter can even be embedded in cars, TVs, and smart home appliances, providing the most pervasive and portable experience for an ambient computing world.

[Read more about it here.](#)

Microsoft Group Transcribe launched

Group Transcribe provides real-time transcription and translation for in-person meetings and conversations. Powered by cutting edge speech and language technology and with a unique multi-device audio input format, the project enables highly accurate speaker attribution so conversation participants can see who said what in their preferred language.

[Read more about it here.](#)

Facebook enhances AI computer vision with SEER

The future of AI is in creating systems that can learn directly from whatever information they're given — whether it's text, images, or another type of data — without relying on carefully curated and labeled data sets to teach them how to recognize objects in a photo, interpret a block of text, or perform any of the countless other tasks that we ask it to. **Facebook AI** has now brought this self-supervised learning paradigm shift to computer vision.

[Read more about it here.](#)



WhatsApp is testing new archive and self-destructing messages

WhatsApp is testing a new feature to give its users an ability to send disappearing messages. These messages will self-destruct after a set period of time. The traces of this feature were spotted in the recently released public beta version of WhatsApp for Android - dubbed as **v2.19.275**. It is currently said to be in development and is not available for public usage, even as a part of the beta version.

[Read more about it here.](#)

NASA astronauts complete 7 hour-long spacewalk

In the third spacewalk of the year outside the International Space Station, NASA space travelers **Kate Rubins** and **Victor Glover** closed their spacewalk following 7 hours and 4 minutes. The two NASA space explorers started work on Monday to install modification kits required for the upcoming solar array upgrades.

[Read more about it here.](#)



AUDIENCE POLL :

[Cast your vote.](#)

FEEDBACK :

[FEEDBACK](#)

