

1. About DaaS:

DaaS(Developers as a Service) is an all-in-one SaaS Solution. → DaaS was founded on the principle that nobody - no matter their level of technical expertise, should be excluded from competing in a 21st-century marketplace. → Our team has consistently provided top-notch service to our customers throughout the years. → One of our greatest strengths lies in our extremely flexible work culture, which allows us to optimise our team's performance in the best possible way. We specialise in a variety of Services. → To know more, visit our website www.workwithdaas.com

2. About Hackathon:

We believe in hard work more than talent. This hackathon is conducted solely to find the best talents and problem solvers to work with us on future projects. We are looking for people who can think outside the box and execute their ideas precisely.

3. Voice AI Hackathon

- 3.1. **Objective:** To foster innovation and creativity among tech enthusiasts in developing voice-enabled AI agents that showcase speed, code quality, and utility.
- 3.2. **Target Participants:** College students and professionals under 30 years old who are passionate about technology and AI.
- 3.3. **Duration:** A weekend-long event.
- 3.4. **Rules and Regulations:** Participants have the flexibility to participate in the activity individually or as a team consisting of a maximum of three individuals. Individuals up to the age of 30, irrespective of their profession, can participate. You must fill out the registration form and join the discord channel to participate.
- 3.5. **Technical skills you might need:**
 - Speech Recognition (ASR): Familiarity with ASR engines and APIs like Google Cloud Speech-to-Text, Amazon Transcribe, etc.
 - Natural Language Processing (NLP): Understanding of NLP concepts like intent recognition, entity extraction, and dialogue state tracking.
 - Machine Learning (ML): Ability to train and deploy ML models for tasks like sentiment analysis, next-word prediction, and voice biometrics.
 - Programming Languages: Proficiency in languages like Python, Java, and JavaScript for building voice applications.
 - Software Development: Experience with frameworks and tools for building voice-enabled applications (e.g., Alexa Skills Kit, Google Assistant Actions).
 - API Integration: Ability to integrate with voice assistant platforms and other relevant APIs.
 - You can also use other languages as long as you can bring out results.
- 3.6. **App Development (Pointers):**

- The candidates can use open sources like Open AI and Dall-e for app development.
- Finalists will be granted early access to CapriAI's API, enabling comprehensive responses to their POST requests. Utilizing it is strongly encouraged.
- Having a working model or UI/UX model is highly appreciated, especially for finalists.

3.7. Duration and Platform: (20 December 2023 to 2nd January 2024)

There will be 2 stages of this hackathon

1. Ideation stage(22-25 December 2023): The participants will make a 1-minute video about the problem statement, their possible solution, and a 5-slide presentation. The date of submission is 25 December 2023.
2. Development stage(26th Dec 2023 to 4th January 2024): The best 5 to 10 Ideas will be selected from the Ideation stage for the development stage. For the finalists, mentors will be assigned whom you can ask all the doubts and also keep 1 to 1 live session (The mentors will only help vocally or give some ideation, not in development).
3. Pitching stage (5th December 2024): The finalists will pitch their ideas and the projects they have made. Each team will be given 7 minutes each + 3 minutes Questionnaire.

- 3.7.1. Platform:** After registration, all the participants will join the Discord channel, where they will be guided and provided with all the information. You are free to code any way you want, but the deadline is very strict. It will close on the mentioned date. Note: You must check the discord group for regular updates.

4. Judging Criteria:

- Originality: How unique and innovative is your idea?
- Business Value: Commercial potential and value proposition.
- Application of Technology: The technologies applied and their relevance.
- Presentation: How effectively do you convey your project?

5. Tracks and Themes :

5.1. Customer Support Automation:

5.1.1. E-commerce:

- The Concierge Assistant: Build a voice-powered concierge for online shoppers that proactively identifies their needs, recommends products, assists with purchases, and resolves issues instantly.

- The Conversational Refund Guru: Develop a voice AI that smoothly handles return and exchange requests, offering personalised solutions and minimising frustration for customers.
- The Post-Purchase Voicebot: Craft a voice AI that guides customers through product assembly, setup, and usage, leveraging voice instructions and visual aids for a seamless experience.

5.1.2. Healthcare:

- The Virtual Medical Assistant: Design a voice AI that conducts preliminary medical assessments, schedules appointments, answers patient questions, and provides basic health information.
- The Post-Op Companion: Develop a voice AI that offers comfort and guidance to patients recovering from surgery, reminding them of medication schedules, monitoring vital signs, and providing emotional support.
- The Accessibility Advocate: Create a voice-powered system that assists patients with disabilities in navigating healthcare systems, scheduling appointments, and accessing medical information.

5.2. Educational Voice Applications:

- The Personalized Tutor: Develop a voice AI that tailors learning modules to individual students' needs, adjusting pace, difficulty, and teaching methods based on real-time feedback.
- The Adaptive Language Coach: Build a voice-powered language learning tool that provides immediate feedback on pronunciation, grammar, and fluency, adjusting exercises to optimise learning outcomes.
- The Inclusive Classroom Assistant: Design a voice AI that supports students with learning disabilities, providing audio annotations, text-to-speech conversion, and real-time translation for educational materials.

5.3. Business Administration Tasks:

- The Meeting Maestro: Develop a voice AI that manages meeting logistics, automatically transcribing discussions, summarising key points, and generating action items for improved post-meeting follow-up.
- The Expense Whisperer: Build a voice-powered expense management system that listens to expense reports, identifies potential errors, flags discrepancies, and streamlines the approval process.
- The Documentation Dynamo: Create a voice AI that automatically generates reports, emails, and project summaries based on spoken instructions and recorded meetings, saving time and improving clarity.

5.4. Voice Enabled Finance Tools:

- The Personal Finance Coach: Develop a voice AI that offers personalised financial advice based on income, expenses, and financial goals, suggesting budget plans, investment strategies, and debt management solutions.
- The Secure Transactions Assistant: Build a voice-powered system for secure financial transactions, enabling users to authorise payments, transfer funds, and access account information using voice commands and biometric verification.
- The Financial Literacy Guru: Create a voice AI that educates users on financial concepts, explains complex terms, compares financial products, and provides helpful tips for budgeting and investing.

5.5. Travel and Hospitality:

- The Concierge in Your Pocket: Create a voice-based AI system that serves as a customised travel companion, suggesting various local experiences, restaurants, and attractions, and helps with reservations and bookings.
- The Multilingual Travel Buddy: Build a voice AI that translates local languages in real-time, helping travellers navigate foreign cities, order food, and communicate with locals seamlessly.
- The Immersive Virtual Tour: Create a voice-powered experience that simulates travel destinations, allowing users to explore virtual environments, listen to local stories, and learn about different cultures from the comfort of their homes.

6. Perks and Prizes:

After all the stages, the best 2 projects will be selected and given cash prizes, and all the finalists will be provided with a certificate mentioning their project and rank.

7. Cash Prize:

- 1st: **30000** INR
- 2nd: **10000** INR