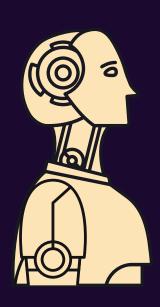# web3ssh

PARTICIPANT BROCHURE

Hybrid Mode

5 DAY SUMMER CAMP
2 DAY HACKATHON

29 July to 4 August 2024

Event Partner

GDSC IIIT Sri City

Organized By

DEPT. OF CSE
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
SRI CITY, CHITTOOR
AN INSTITUTE OF NATIONAL IMPORTANCE UNDER ACT OF PARLIAMENT

Indian Institute of Information Technology, Sri City, Chittoor

SRI CITY

web3
SSH

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About web3ssh

WEB 3.0 SUMMER SCHOOL & HACKATHON

This immersive 7-day program is designed for everyone, from those without prior knowledge to budding developers. We'll take you on a journey through the evolution of the web, starting with the foundations of Web 2.0 and exploring the exciting possibilities of Web 3.0.

At the end of the 5-day summer school, we have an exciting hackathon, where participants can put their newfound knowledge to the test. Students will compete for amazing prizes and walk away with valuable experience, no matter where they stand.

OUR VISION

We launched web3ssh to ignite a passion for Web 3.0 technology within our college and beyond.
Our mission is to cultivate a dynamic community of learners, empowering them with the skills and knowledge to drive future innovations.

Join us in shaping a brighter, decentralized tomorrow.

About IIITS

Indian Institute of Information Technology Sricity, or IIITS, is an Institute of National Importance by an Act of Parliament. The college resides in Sricity, an economic zone 55 km north of Chennai in Andhra Pradesh.

The institute was established in 2013 as part of the Government of India's initiative to create 20 institutes nationwide.

IIITS focuses on IT education offering undergraduate programs in Computer Science Engineering (CSE), Artificial Intelligence and Data Science (AI & DS), and Electronics and Communication Engineering (ECE).

Summer School

From 29th July to 2nd August, participants will learn from industry experts through inspiring talks and keynotes. Students can gain hands-on experience with workshops that equip them with the skills to build in the Web 3.0 space.

KEY COMPONENTS

- **Keynote Sessions**: Each day, the opening session will be from a special Web 3.0 Thought Leader.
- **Theory Sessions:** Industry Experts will discuss the core ideas powering Web 3.0.
- **Hands-on Sessions:** Practicals geared towards application focus. Live debugging support by the team.
- **Live Leaderboard:** Exciting Quizzes and Competitions for Participants will be engaged throughout the summer school, with new learning opportunities, and fun-packed games and quizzes.
- **Visions & Voyages:** Peer-to-peer learning through exchanges among participants. Group Discussions & Brainstorming over lunch, and snacks.

OUTCOMES

- **Mastery** of Web Development with React/Svelte and Node/Bun
- **In-depth Understanding** of Blockchain and Web3 Technology
- **Practical Experience** with Decentralized Apps (DApps) and Finance (DeFi)
- **Personalized** Code Reviews and Peer Learning Sessions
- **Certificate** of Completion and Web 3.0 **Handbook** for all participants.

Hackathon

OVERVIEW

- **36 hours Hackathon** *(including judgment and final announcements)* 8 AM, 3rd August to 8 PM 4th August
- **Multiple Tracks** Problem Statements by different sponsors
- **Venue** Hybrid IIIT Sri City Campus + Online
- **Judges** Each track will be judged by a Sponsoring Company

DAY 0: AUGUST 2

- **5 AM to 6 PM** Concluding Session of Summer School & Official Announcement of Hackathon Tracks
- **6 AM to 8 PM** Peer discussion, Doubt Clearing & Brainstorming

DAY 1: AUGUST 3

- **8 AM to 6 PM** Hackathon Coding Round Officially Starts
- **6 PM to 8 PM** Preliminary Evaluation, Mentorship, and Feedback to students

DAY 2: AUGUST 4

- **8 AM to 10 AM** Elimination Round
- **6 PM to 7 PM** Final Evaluations
- **7 PM to 8 PM** Valedictory Session, Winners Announcement and Prize Distribution

web3ssh

2024

Session Types

01 KEYNOTE SESSIONS

- Each day begins with a Key Note session by an Industry Expert.
- From **9 AM to 10:30 AM**
- Enable students to connect with a deeper vision for the future.
- These keynote sessions would inspire students and fill them with purpose.

02 FOUNDATIONAL LECTURES

- Each day we would have 1 or 2 Theory Sessions, focusing on the fundamentals.
- Tentatively from **11 AM to 2 PM**.
- Sessions to give students a deep understanding of foundational concepts behind blockchain and Web 3.0

03 HANDS-ON WORKSHOPS

- These sessions would be held in the afternoon from **2 PM to 4 PM**
- Hands-on Coding sessions, led by 2-3 speakers and assisted by student volunteers.
- Students would implement practical projects, and deploy them.

04 EXPERT PANEL DISCUSSION

- Tentatively from **5 PM to 6 PM**
- Panel Discussion between experts present on that day
- Covering a Diverse range of topics, ideas, and thought processes.
- Discussion about Challenges and Concerns in the Web 3.0 space.

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Days

DAY	KEYNOTE + THEORY	HANDS-ON
01	Evolution of Web 1.0 to Web 3.0	Web2.0 Development
02	Challenges of Web2.0 and Overview of Web3.0	Web2.0 Development
03	Blockchain Fundamentals	Web3.0 Development Setup
04	DApps and Smart Contracts	Coding Full-Stack DApps
05	Deployment, Security and the Future	Debugging & Deployment
06	Hackathon + Sponsored Sessions	Mentorship for Hackers
07	Hackathon + Sponsored Sessions	Valedictory Session

This page aims to present to you a tentative structure of web3ssh. This structure would evolve as we approach the dates.

Speakers

DR. SHASHIDHAR R
**Lead Researcher,
Samsung India**

LAISHA WADHWA
**Lead ML Engineer, Lucidity
Finance**

PRANSHU RASTOGI
**Head of Ecosystem,
Push Protocol**

ILHAM EL BOLOUMI
**Founder,
Datachain Ed**

ZARYAB AFSAR
**Blockchain Lead,
Push Protocol**

DR. RAJENDRA PRASATH
**Associate Professor,
IIIT Sri City**

This is our tentative list of speakers confirmed till now. We will be announcing more speakers soon!

Ecosystem

20+ SPEAKERS

60+ OFFLINE ATTENDEES

300+ ONLINE ATTENDEES

100+ GDSC ALL OVER INDIA

25+ IIIT ACROSS INDIA

Why register

01 Shape your future

02 Learn from industry experts

03 Build real-world projects

04 Build and showcase your skills

05 Network with peers and experts

06 Certificate of Completion

07 Win exciting prizes

08 Be part of a community

By registering for Web 3.0 Summer School & Hackathon, you're not just joining an event, you're taking yourself to the future of technlogy.

Level up Skills YOUR

TARGET AUDIENCE

- Passionate undergraduate college students keen to learn and apply Web 3.0
- Graduates and PhD scholars working in Web 3.0
- Industry Professionals working in Web 2.0 and Web 3.0
- Newbies excited about exploring the world of Web 3.0

HOW

- **Foundational Knowledge**: Start with the basics of Web 2.0 and seamlessly transition to advanced Web 3.0 concepts.
- **Practical Experience**: Engage in coding sessions that emphasize real-world applications. Build and deploy projects under the guidance of expert mentors.
- **Debugging Support**: Receive immediate help and feedback during hands-on sessions, ensuring you can overcome challenges and improve your coding skills.
- **Networking Opportunities**: Connect with industry professionals, potential employers, and like-minded peers. Build a network that can support your career growth.

Web 3.0 Alumni

Laisha Wadhwa

- Lead ML Engineer at Lucidity Finance
- Ex-Developer Advocate at Polygon Labs
- Ex-Head of Developer Relations at Pesto Tech
- Ex-Senior Software Engineer at Goldman Sachs

Priyanshu Mishra

- Blockchain developer @ Router Protocol
- Ex –Blockchain developer @ Wow Labz and Nethermind
- Master in Advanced Solidity and System Design
- Rated 5 Star on CodeChef
- Worked on Hyperlane, Layerzero, Zetachain, and Axelar

Hani Mohammed

- Software Engineer @ New York University
- Founding Engineer of Skillbee – raised $3.2M in seed funding
- MLH Fellow
- Summer of BitCoin 2021

MOHAMMED AASIM CHOUDHRY

- Blockchain Developer Intern at Plena Finance
- Built WeLearn: Blockchain-based E-learning platform
- Implemented Flash Loans using AaveV3
- Uniswap Routing for optimal swap path between tokens

VAIBHAV PANDEY

- Integration Engineer at Push Protocol
- Ex-Workflow Engineer at Instadapp
- Winner at Hackverse 2024 (CoinEx Track)
- Runner-up at Hackverse 2024 (XDC Track)
- SIH'2022 Winner
- UNESCO India-Africa Hackathon Finalist

ABHISHEK BHAGAT

- Building degenask.me
- FBI Fellow at Farcaster
- Ex-Fullstack Blockchain Developer at ReviFi
- Winner at Hackverse 2024 (CoinEx Track)
- Runner-up at Hackverse 2024 (XDC Track)
- Runner-up at Hackverse 2.0 (XDC Track)
- Fellow at DeFi Talents (cohort-5)

SREEVALLABH KARANAM

- Full Stack and Cloud Engineer at Fluidity.
- Ex-Full Stack Engineer at Froker.
- Ex-Frontend Engineer at Mastrok.
- Winner at Hackverse 2023 & 2024 XDC Track
- Winner at SIH'22 in Disaster Management
- Finalist in UNESCO India-Africa Hackathon 2022

Thank You

This is just a taste of what you can expect at the Web 3.0 Summer School & Hackathon!

We look forward to you joining us, and making this event a great success!

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