

# HACK FEST

# 2023

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ATTACKS THAT MAKE YOU

**STRONGER, FASTER, BETTER.**



# Overview

**Hackfest 2023**, an exceptional and impactful event, brought together industry leaders, experts, and companies from various sectors to address the critical issue of cybersecurity.

The event, organized by I-Venture in collaboration with Entersoft and hosted by the Indian School of Business, provided a one-of-a-kind platform for participants to assess potential security risks in their systems and learn from experienced hackers who demonstrated vulnerabilities in applications and systems.

This collaborative effort was aimed at not only securing tech startups but also helping them prepare for the future and stay ahead of the rapidly evolving cybersecurity landscape. The introduction of cutting-edge security solutions and best practices in the field added to the overall impact of the event. Hackfest 2023 was a significant step towards promoting awareness and encouraging proactive measures towards a secure cyberspace for all.



# Meet The Hackers

UNCOVERING THE HIDDEN DANGERS

Introducing Entersoft's OSCP-certified experts who deciphered the weaknesses





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## RONY

Rony Konda is the Chief Technology Officer at Entersoft Security, with expertise in application security, source code reviews, Android development, VAPT, and cloud configuration review. He is a visionary leader dedicated to guiding the company's technology and R&D efforts, always keeping it at the forefront of the industry.

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## CHARAN

Charan Mukkamala is a highly skilled and experienced cyber security expert with a focus on Penetration Testing. He is part of a team of certified white hat hackers providing solutions to technology industry issues and recognized as one of the top 200 security researchers globally.



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## JOS

Jos Rohill Ravuri is a seasoned cyber security expert and a Principal Security Engineer at Entersoft Security. He provides valuable insights and solutions in the technology industry with expertise in web application penetration testing, network VA/penetration testing, server hardening, and architecture review.





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## HUSSAIN

Saddam Hussain Khan Pathan is a highly experienced Information Security Analyst working as a Senior Security Analyst at Entersoft Security. He provides valuable insights and solutions to technology industry issues with expertise in web, mobile, API, IOT security and log analysis, holding several industry-recognized certifications.

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## MANIKANTA

Manikanta is a skilled security analyst and penetration tester at Entersoft Information Systems. He has experience in vulnerability assessments and holds industry-recognized certifications, having received recognition from organizations for his contributions to the field of cyber security.



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## NARENDRA

Kandula Venkata Narendra Reddy is a highly skilled penetration tester with experience in black box, white box, and grey box testing, as well as proficiency in Python. He holds multiple industry-recognized certifications and has received recognition within the cyber security industry, including Hall of Fame awards.



# Stats That Matter



CYBER WARRIORS ASSEMBLE

Hackfest 2023 Breaks Records with  
48 vulnerabilities in 6 hours





# 10

industries



# 06

hours



# 48

vulnerabilities detected

● 09 CRITICAL

● 15 HIGH

**Hackfest 2023** provided valuable insights into the security of systems and applications of companies from various industries and highlighted the critical importance of cybersecurity in today's threat landscape.

## VULNERABILITY TRENDS

01

During the Hackfest, our team noticed a trend in the vulnerabilities that were found in the participating companies' applications. Some applications were configured incorrectly in such a way that any remote user could quickly escalate their position to a "Super Admin" user. This is a significant security risk and can result in unauthorized access to sensitive information.

The findings from the event provided actionable steps for organizations to improve the security of their systems and protect against potential attacks.



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## MOST COMMON VULNERABILITIES

02

The most typical high-impact vulnerabilities that our technical team found during the Hackfest are:

### Defective Access Controls

The team found that in some applications, developers did not specify that access was necessary for a resource during the development process and allowed access by default (similar to black listing). This made it easier for hackers to exploit the system.

**SOLUTION:** Specify that access is necessary for a resource during the development process and refuse access by default (similar to whitelisting).

### Account Takeover with OTP Bypass

The team also found that some applications were vulnerable to account takeover with OTP Bypass. This means that before allowing a user to access their account, the application did not verify the OTP code in the request, making it easier for hackers to gain unauthorized access to the account.

**SOLUTION:** Verify the OTP code in the request before allowing a user to access their account.

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## MOST UNIQUE VULNERABILITY

03

The most unusual vulnerability that our team found at Hackfest was "Account Takeover via Response Tampering." This vulnerability was highly distinctive and involved a lot of manual intervention by our team. Our methods for identification were innovative and allowed us to uncover a critical flaw in the application's security.





# What The Participants Say



The Hackfest 2023 was highly valuable in identifying potential security risks in our systems. The solutions and best practices introduced have greatly influenced our approach to cybersecurity. I would definitely attend another hackfest organized by Entersoft in the future. The overall organization and content of the event were excellent. I would highly recommend this event to other companies in our industry.

**Prashant**

FOUNDER, COMET LABS

# Let Us Secure You

**Entersoft** is a leading end-to-end security provider helping businesses across various industries secure their businesses, through future-ready solutions that help keep up with the changing technology landscape.



Our strengths lie in assessing security risks, monitoring for threats and safeguarding applications against compliance issues as well as the latest threats.

We hope that the insights and recommendations provided in this report will help companies to take the necessary measures to secure their applications and protect sensitive data. Our team remains committed to helping companies achieve their cybersecurity goals.



Security is a proactive approach, **not a reactive one.**

**RONY KONDA** | CTO, ENTERSOFT

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## ARE YOU PROACTIVE ENOUGH?

Join our next Hackfest  
and challenge your  
applications.

# Contact Us



[sales@entersoftsecurity.com](mailto:sales@entersoftsecurity.com)



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