DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NARSIMHA REDDY ENGINEERING COLLEGE

TechTransmit

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Vision of the Department

To produce technically competent professionals with quality education in cutting edge technologies with professional ethics.

Mission of the Department

M1: To impart quality technical education in design and implementation of IT applications through innovative teaching - learning practices

M2: To inculcate Professional behavior, with strong ethical values, and research capabilities.

M3: To educate students to be an effective problem solver with social sensitivity for the betterment of the society and humanity as a whole.

Programme Educational Objectives(PEOs)

1. PEO-I: Demonstrate proficiency in fundamental concepts and advanced technologies of computer science to succeed in their careers and/or obtain a higher degree.

2. PEO-II: Analyze complex computing problems in multidisciplinary area and creatively solve them.

3. PEO-III: Recognize ethical dilemmas in work environment and apply professional code of ethics.

NARSIMHA REDDY ENGINEERING COLLEGE MAISAMAGUDA KOMPALLY SECUNDERABAD

GOOGLE BARD

Google Bard is a large language model (LLM) chat bot developed by Google AI. It is a factual language model from Google AI, trained on a massive data set of text and code. It can generate text, translate languages, write different kinds of creative content, and answer your questions in an informative way. Here is some information about it:

Bard is Google's experimental, conversational, AI chat service. It is meant to function similarly to ChatGPT, with the biggest difference being that Google's service will pull its information from the web.

Google Bard is now powered by Google's very own and most advanced large language model (LLM) Pa Lm 2, which was unveiled at Google I/O 2023.The initial version of Bard used a lightweight model version of Lambda, because it required less computing power and could be scaled to more users.

KANAKURTHI SANJANA

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MALWARE

A malware is a nothing but a malicious behaviour or a tool. Now a days Malware for Android is becoming increasingly dangerous to the safety of mobile devices and the data they hold. One of the most significant issues facing internet user now-days is malware. Software Programs or a pieces of code that aim to hijack computer or a devices to steal information or to destroy. Trojan or Payload for android is a backdoor apt file that provides hackers remote access to the victim device in which he installed the Trojan or payload. If you have physical access to the victim device then you can take advantage of it and install your backdoor or payload and later have remote access to the target device and be able to access or write data in storage, read and write messages, make calls, grab front or back camera snap or video, record calls or audio, etc.

How to prevent Malware Attacks

To strengthen malware protection and detection without negatively impacting business productivity, organizations often take the following steps:

- Use anti-virus tools to protect against common and known malware.
- Utilize endpoint detection and response technology to continuously monitor and respond to malware attacks and other cyber threats on end-user machines.
- Follow application and Operating System (OS) patching best practices.
- Implement the principle of least privilege and just-in-time access to elevate account privileges for specific authorized tasks to keep users productive without providing unnecessary privileges.
- Remove local administrator rights from standard user accounts to reduce the attack surface.

D.VISHAL

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SPRING BOOT

Spring Boot is an open source Java-based framework used to create a micro Service. It is developed by Pivotal Team and is used to build stand-alone and production ready spring applications.

Body:

Spring Boot makes it easy to create stand-alone, production-grade Spring based Applications that you can " just run" We take an opinionated view of the Spring platform and third-party libraries so you can get started with minimum fuss. Most Spring Boot applications need minimal Spring configuration. Spring Boot makes it much easier to develop Spring-based apps with Java.

The spring boot consists of the following four layers:

Presentation Layer – Authentication & Json Translation

Business Layer – Business Logic, Validation & Authorization

Persistence Layer – Storage Logic

Database Layer – Actual Database

Pros and cons of using spring boot:

Pros:

- Easy development
- No war files deployment

Cons:

- Lack of control
- Can be inflexible

KUNAM.LAVANYA

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