Aditya Kumar

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Education

LNCT University **2020 – 2024**
Bachelor of Technology *cgpa : 8.78*

Technical Skills

Skills: Java, JSP and Servlet
Database : MySQL
Technology/Framework: Spring, HTML, CSS, Java Swing
Developer Tools : Eclipse, IntelliJ IDEA, Apache NetBeans, GitHub

Projects

Blog Website | *Java, JSP, Servlet, JDBC, HTML, CSS, Bootstrap* **GitHub**

* Developed a full-stack web application for managing and publishing technical blog posts with user authentication.
* Designed and implemented the back-end logic using Java, JSP, and Servlet to manage **user sessions**, blog posts, and comments.
* Utilized JDBC for database interactions to store and retrieve blog data, ensuring seamless data management and user experience.
* User can also **like** and **comment** on the post.
* As for the future scope I will be adding **payment gateway** for donation.

ATM Simulator | *Java, Swing, AWT and MySQL* **GitHub**

* Designed and implemented an ATM simulator with **GUI** to perform basic banking operations such as balance inquiry, cash withdrawal, deposit, and account management.
* Integrated the front-end with **MySQL** to provide real-time updates and validation for banking transactions.
* Implemented **error handling** and validation mechanisms to prevent invalid inputs and ensure smooth operation.

Matching Card | *Java, Swing, AWT* **GitHub**

* Developed a matching card game, a type of puzzle game where players are presented with a set of cards that are placed face down.
* The goal of the game is to find and match pairs of cards by flipping them over two at a time.If they match, keep them face up otherwise, flip them back after a **short delay**. The player must remember the positions of previously revealed cards to make successful matches.
* It is a grid-based game layout using **GridLayout** for seamless card arrangement and user interaction.
* Integrated a custom **shuffle algorithm** to randomize card placement and ensure fairness in gameplay.
* Implemented card-flipping mechanics and matching logic with event-driven programming using **ActionListener**.

Achievement

Hackathon Winner, Kavach 2023 **August 2023**

* Collaborated with a team of 6 members to develop an application that decrypt chats from messaging app like WeChat and DingTalk.
* We were working on a **rooted device** to generate the key for decrypting .db files.
* The WeChat database password is generated by concatenating the **IMEI number** and **WeChat uin**, and encrypting it with **MD5** to obtain a 32-bit lowercase password. The first 7 characters are used as the password.
* Once the encryption key is extracted, you can decrypt the EnMicroMsg.db file by opening the EnMicroMsg.db database in an SQLite browser that supports encrypted databases.

Certificate

Java Programming **Feb 2023**

Interests

Book-Reading Animation Chess Cooking