Alok Kumar

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EDUCATION:

- **IILM UNIVERSITY**   Greater Noida, India

  Bachelor of Technology – Computer Science and Engineering (Second year): 7.7 CGPA   2023 - 2027
- **HOLY CROSS SCHOOL**   Nautanwa, India
  Class 12th; 65% 2022 -   2023
- **HOLY CROSS SCHOOL**   Nautanwa, India
  Class 10th; 82% 2020 -   2021

ACADEMIC PROJECTS:

RoboSpeaker – Text-to-Speech Application

- Developed a Python-based text-to-speech application that converts user-inputted text into audible speech output.
- Utilized libraries like pyttsx3 for voice synthesis to ensure offline functionality and fast response.
- Designed a simple and intuitive interface for users to enter text and hear real-time audio output.
- Demonstrated proficiency in Python scripting, speech synthesis, and interactive application development.

Guess the no. game

- Designed Developed a Python-based number guessing game with randomized number generation.
- Implemented input validation and feedback to enhance user interaction and gameplay. ◦ Incorporated a limited attempts system to add challenge and structure to the game.
- Demonstrated skills in Python programming, control flow, and user experience design.

Vulnerability Scanner – URL Security Assessment Tool *(Minor Project)*

- Collaborated in a group project to develop a web-based vulnerability scanner that evaluates the security of user-provided URLs.
- Implemented functionality to check for common vulnerabilities such as HTTP vs HTTPS usage, SSL certificate validation, and insecure headers.
- Used Python along with libraries like requests, socket, and ssl to perform deep-level URL analysis.
- Designed a simple UI to allow users to input URLs and receive instant feedback on potential security risks.
- Showcased teamwork, cybersecurity awareness, and practical application of secure web development practices.

SKILLS SUMMARY

- **TechnicalLanguages** :**Skills**   :   DataC , Html, CSS,Java, Python ,,JavaScript, DBMS, OOPS, MySQL/C

- **Tools and Platform**: MySQL, VSCode

ACADEMIC ACHIEVEMENTS & AWARDS:

- **Consolation Prize – IILM University Hackathon (2023)** – Awarded for developing a web-based **Vulnerability Scanner** to assess URL security and raise cybersecurity awareness.
- **Consolation Prize – Hackathon at SGT University, Gurugram (2024)** – Recognized for building an **AI/ML-based solution** that leveraged machine learning techniques to address real-world challenges in a competitive environment