

# Gunjan Shakya

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## EDUCATION

### KIET Group of Institutions(AKTU)

Bachelors of Technology in Computer Science and Engineering

Aug 2019 - Jun 2023

GPA: 8.6/10.0

### Indraprastha Academy

Class XII(CBSE)

May 2019

## PROFESSIONAL EXPERIENCES

### Thales

Feb 2023 - Oct 2023

Trainee Software Engineer

- **Added features** to payShield 10K, deployed in banks for securing payments using encryption and cryptographic algorithms - responsible for handling **70%** of all global transactions.
- **Streamlined** the testing process by customizing the **BP Tool** to support RSA, AES, DES, Encryption modes (ECB, CBC), leading to a **40%** decrease in manual test vector creation time, while also using GDB for leveraging debugging skills to address customer issues promptly.
- Ensured code compatibility between payShield 9K and 10K through **Porting** on Linux environment (using VM) for enhanced product functionality.

### IBM

Jul 2021 - Aug 2021

Software Engineer Intern

- Designed and implemented responsive web pages using HTML, CSS, and JavaScript, ensuring seamless user experiences.
- **Leveraged** JavaScript skills to enhance the interactivity and functionality of web applications.
- Proficiently applied **HTML5** to structure and layout web content effectively.

## PROJECTS

### CollabWrite

Jan 2023 - Feb 2023

Technology used: React, Quill, Socket.io, MongoDB (Individual)| [GitHub Link](#)

- **Developed** a Web application enabling users to create and share documents with others and allow multiple users to view and edit the same document in real-time and access the document from anywhere with internet connection.
- Implemented **React** and **Quill** for rich text editing, and socket.io for real time collaboration

### Record Keeper

Dec 2022 - Jan 2023

Technology used: MERN Stack (Individual)| [GitHub Link](#)

- A Web application that allows users to store, retrieve data from a database, as well as modify, delete, and add new data.
- Utilized **React** and **Material UI** for front-end, and **Express** and **Mongoose** for back-end.

### Amazon Data Scraper API

Jul 2022 - Aug 2022

Technology used: JavaScript (Individual)| [Live Link](#)

- Built a JavaScript-based web scraping API that can collect information from Amazon's website.
- Empowers **real-time data monitoring** of seasonal shifts in order to provide consumers with better product offers.

## TECHNICAL SKILLS

- **Languages:** C/C++, Javascript, SQL
- **Developer Tools:** GitHub, Bitbucket, VS Code
- **Web Development:** HTML, React.js, Node.js, Material UI
- **General:** Data Structures and algorithms

## ACHIEVEMENTS

- Successfully solved more than **700** DSA problems on prominent online platforms, including [LeetCode](#) and [GeeksforGeeks](#).
- First Runner Up at Project Exhibition – [Innotech](#), KIET.
- Finalist - TechGig Geek Goddess '22.
- Attained 5-star rating on [HackerRank](#) in C++

## CERTIFICATES

- Visual Elements of User Interface Design | [Coursera](#)
- Front-end Web UI Frameworks and Tools: Bootstrap | [Coursera](#)