Divyanshu

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SKILLS

- **Languages**: Java, JavaScript, Python
- **Frameworks**: HTML, CSS, Bootstrap, Spring Boot, Tkinter
- **Tools/Platforms**: MySQL, MongoDB
- **Soft Skills**: Problem-Solving, Adaptability, Teamwork & Collaboration, Critical Thinking

PROJECTS

Recommends eco-friendly products | *HTML, CSS, JavaScript* | GitHub **May 2025-Jun 2025**

- Designed an Eco-Friendly Products Chatbot to provide accessible, reliable guidance on sustainable product alternatives, offering clear insights on lifespan, benefits, and biodegradability to support informed, eco-conscious decisions.
- Built a fully client-side architecture for fast performance, seamless deployment, and zero backend dependency. Integrated accessibility features such as voice interaction and automated PDF export to enhance usability for diverse users.
- Delivered detailed sustainability metrics—environmental impact, lifespan, and biodegradability—exceeding the informational depth of typical commercial chatbots.
- Demonstrated the capability of Vanilla JavaScript to support complex logic, dynamic UI behavior, and interactive features without external frameworks.

OS Security Logger | Python, Tkinter | GitHub **Feb 2025-Mar 2025**

- Developed a real-time Windows system monitoring tool with an interactive dashboard for detecting security-relevant anomalies and tracking critical system events.
- Built using Python with a Tkinter GUI, leveraging psutil for resource monitoring, csv for log export, and datetime for accurate event timestamps.
- Provides real-time CPU, memory, and process monitoring with an anomaly-detection mechanism that triggers security alerts for unusual activity. Includes a filterable event log with export and clear options.
- Enhances security by identifying rogue or resource-heavy processes that may indicate threats such as malware or unauthorised crypto-mining.
- Addressed challenges related to Tkinter's limited customisation, log-filtering performance, restricted access to system-level processes, and minimising false positives.
- Future improvements include automated periodic logging, email/SMS alerting, advanced log search, cross-platform support, and integration with antivirus or threat-intelligence systems.

TRAINING

Mini Phone Book Application | Link **Jul 2025 – Aug 2025**

- Developed and deployed a responsive application using Trie, Strings, and Arrays in Java.
- The project aimed to implement a contact management system where users can:
  - Insert a new contact (name and number).
  - Search for an exact contact.
  - Search for contacts by prefix (autocomplete feature). Crafted an intuitive, user-friendly interface with a focus on real-time interaction and accessibility across devices.
- In this Project, I used advanced data structures like **Trie in real-world scenarios**, strengthened my **Java programming, problem-solving, and OOP skills**, and laid a solid foundation for developing more complex applications, including **dictionary apps, search engines, and contact management systems**.

CERTIFICATES

Introduction to **Cloud Computing**	Link	Apr - 2025
Data Structures and Algorithms	Link	Feb - 2025
Hands-on experience in **Java**	Link	Nov - 2024
Mastering Data Structures and Algorithms	Link	Aug - 2024
Legacy Responsive Web Design V8 in html	Link	Dec - 2023

EDUCATION

Lovely Professional University	Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering- **CGPA: 6.5**	August 2023-Present
K S College	Darbhanga, Bihar
Intermediate- **Percentage: 83**	April 2020 - March 2022
Rose Public School	Darbhanga, Bihar
Matriculation- **Percentage: 70**	April 2018 - March 2020