Gourav Sinha

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SKILLS

- **Languages**: C++, Java, JavaScript
- **Frameworks**: HTML, CSS, Bootstrap, ReactJs, NodeJs, NextJs, Tailwind CSS
- **Tools/Platforms**: MySQL, MongoDB, Postman, Docker, NMap, WireShark, Maltego
- **Soft Skills**: Problem-Solving, Team Player, Leadership, Adaptability

PROJECTS

CLI-MAC-Changer | Link   Aug – Oct' 25
- Designed a versatile and efficient cross-platform C++ tool aimed at reliably modifying MAC addresses on both Windows and Linux systems to effectively support advanced penetration-testing workflows.
- Developed advanced and reliable features, including random MAC generation and detailed OUI-based vendor lookups, ensuring comprehensive, accurate, and efficient network-level testing capabilities.
- Implemented secure coding practices and streamlined documentation, installation, and configuration processes, resulting in 25% more enhanced user accessibility, improved system reliability, and strengthened network anonymity.
  Tech: C++, NMap, WireShark, Maltego

Expense Tracker Application | Link   Jun – Aug' 25
- Built a clean, responsive and user-friendly interface aimed at enabling users to add, edit, and view expenses effortlessly through smooth and intuitive application navigation throughout the platform.
- Constructed dynamic and modular UI components with effective state management to instantly update the expense list, ensuring smooth, consistent interactions and an enhanced overall user experience.
- Created secure REST APIs with NodeJs and integrated MongoDB for efficient data handling, thoroughly testing endpoints with Potman to achieve 40% higher reliability and consistent application performance.
  Tech: HTML, CSS, Tailwind CSS, Bootstrap, ReactJs, NodeJs, MySQL, MongoDB, Docker, Postman

TRAINING

Full Stack Development In React and Node – Lovely Professional University | Certificate   Jun – Jul' 25
- Acquired strong expertise in frontend and backend technologies, including HTML, CSS, JavaScript, ReactJs, Tailwind CSS, MongoDB, MySQL and Postman, gaining practical knowledge on projects for hands-on practice.
- Build a dynamic user interface with ReactJs, Tailwind CSS, and connect it to backend APIs for seamless functionality enabling end-to-end development using JavaScript ensuring fast, scalable and optimized application.
- Implemented scalable backend API with NodeJs to handle data, authentication, and server-side logic, integrated the entire application using NodeJs to enable end-to-end enhanced development and streamline engagement.

CERTIFICATES

- API Testing a real web application via Postman – Coursera | Certificate   Dec' 25
- Cloud Computing – NPTEL | Certificate   Oct' 25
- Cybersecurity Tools and Technologies – Coursera | Certificate   Oct' 25
- MERN: Advanced MERN Development – Infosys | Certificate   Sep' 25
- Digital Forensic Concepts – Coursera | Certificate   Sep' 25

ACHIEVEMENTS

- **Secured 1st Rank in Bronze League | TryHackMe**   Dec' 25
  Among 50k+ participants in bronze league

- **Secured 5th Rank in University Level Code−A−Thon | Lovely Professional University**   Sep' 24
  Among 200+ participants in coding competition

- **Secured 6th Rank in University Level Code−A−Thon | Lovely Professional University**   Sep' 23
  Among 300+ participants in coding competition

EDUCATION

- **Lovely Professional University**   Punjab, India
  *Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.02***   *Since August' 23*

- **Ayan Senior Secondary School**   Cacher, Assam
  *Intermediate; **Percentage: 51%***   *June' 20 – June' 22*

- **Holy Children High School**   Karimganj, Assam
  *Matriculation; **Percentage: 57%***   *January' 18 – May' 20*