

Shivam Singh

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EDUCATION

Kalinga Institute of Industrial Technology

Bachelor of Technology in Computer Science and Engineering | CGPA - 8.13

- Relevant Coursework: Data Structures, Algorithms, Database Management, Operating Systems

Bhubaneswar, Odisha

Sep. 2022 – Present

St. Thomas High School

Senior Secondary(PCM) | Grade: 79

Dhanbad, Jharkhand

Mar. 2021 – Jun 2022

Loyola School

High School | Grade: 90

Dhanbad, Jharkhand

Mar. 2019 – Jun 2020

PROJECTS

Web-Based Wallet with Multi-Wallet Support | HTML, CSS, JS

Aug 2024 – Present

- Engineered a secure web-based wallet supporting 5+ unique public keys, enabling efficient multi-wallet management and greater flexibility for users.
- Developed robust wallet creation and management features using JavaScript and encryption libraries, achieving 95% transaction security and safeguarding user assets.
- Enhanced user interface responsiveness by 20%, leading to an overall improved, seamless experience on both desktop and mobile platforms.

Web Portal | MERN Stack

Sep 2024 – Jun 2024

- Built an efficient portal that streamlined regulatory registrations for over 20 AYUSH startups, reducing processing time by 30% through automation and better data management practices.
- Developed user-friendly, interactive forms that assisted startups in navigating sector-specific regulations; reduced submission errors by 30% while maintaining compliance with all applicable regulatory frameworks and guidelines.
- Optimized performance, cutting registration time by 40% and boosting user satisfaction.

IIoT - Smart Environmental Monitoring System | Arduino

Feb 2024 – Mar 2024

- Designed and deployed a real-time, data-driven environmental monitoring system, capturing over 10,000 data points daily using IIoT technologies for comprehensive analytics.
- Enhanced sensor integration (temperature, humidity, air quality), increasing data accuracy by 15%, providing more precise measurements for informed decision-making and resource optimization.

Personal Portfolio Website | HTML, CSS

May 2023 – Jun 2023

- Curated a professional, visually appealing portfolio showcasing 3+ innovative projects with interactive elements, effectively demonstrating technical skills, boosting user engagement, and attracting potential employers.
- Improved website loading time by 25%, enhancing performance and compatibility across multiple devices, ensuring a consistent and user-friendly experience.

TECHNICAL SKILLS

Languages: Java, C, C++, SQL, JavaScript, HTML/CSS

Frameworks: Node.js, Angular, React.js

Developer Tools: Linux, GitHub, Arduino, VS Code, IntelliJ

Other Technologies: Express.js, MongoDB, AWS Cloud Foundation, AWS Cloud Architecting

EXTRACURRICULAR

Kraftovity

Research and Development

- Collaborated with team members to brainstorm and prototype new artistic concepts, achieving the highest visitor engagement at the annual exhibition with over 500 attendees.

CERTIFICATIONS

- C Programming:** Udemy | [Link](#)
- Angular, TypeScript, JavaScript:** Infosys Springboard | [Link](#) | [Link](#) | [Link](#)
- Cloud Foundations, Cloud Architecting:** AWS Academy Graduate | [Link](#)