Vanshika Saini

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Education

KIET Group of Institutions   **June 2021 – May 2025**
Bachelor of Technology Computer Science SGPA: 7.8/10   *Ghaziabad, Uttar Pradesh*

Asha Modern School   **April 2020 – May 2021**
Senior Secondary Percentage: 83%   *Saharanpur, UP*

Profile Links

- LeetCode (Link)
- HackerRank (Link)
- Github (Link)

Experience

Optimus Information   **November 2024 – Present**
Test Intern   *Noida, Uttar Pradesh*

- Executed over 100 manual test cases to verify functional requirements across multiple applications. Automated 70% of these test cases using Selenium WebDriver with Java, developing and maintaining 50+ automated scripts. This transition improved testing speed by 40%, increased test coverage, and enhanced overall testing efficiency.
- Utilized the TestNG framework to implement automated test case management and reporting, achieving 95% automation of regression test suites and ensuring high test reliability through parameterized tests.
- Identified, reported, and tracked over 30+ defects using JIRA, coordinating with development teams to ensure timely resolution and ensuring a 90% defect fix rate within sprint cycles.

EasyEd   **January 2023 – July 2023**
Frontend Developer   *Greater Noida, Uttar Pradesh*

- Innovated and maintained 15+ reusable React components, enhancing UI consistency and reducing development time by 30%. Ensured scalability and efficiency while adhering to design guidelines for seamless integration across projects.
- Optimized frontend performance by resolving bottlenecks, improving load times by 20%. Analyzed and refactored code to enhance efficiency, resulting in faster page loads and a smoother user experience across the platform.

Projects

PGLife | *Solidity, React, Node.js,*   **August 2024 - Present**

- Generated over 10 custom smart contracts to manage rental terms (lease duration, payment schedules, security deposits) on the Ethereum blockchain.
- Designed a blockchain-based system to secure over 100 tamper-proof agreements, automating the logging of contract updates and reducing manual errors by 30%.
- Enabled Ethereum-based payments within smart contracts, processing over 500 rent transactions monthly, ensuring traceable and secure transfers between landlords and tenants.

Sharesphere | *React, Node.js, MongoDB, Express.js* | **GitHub** | **Live preview**   **August 2023 - October 2023**

- Built an interactive platform with streamlined editing tools, reducing post-publishing errors by 40%.
- Engineered RESTful APIs for user authentication, blog creation, and commenting, boosting engagement by 45% and cutting server response time by 25%.
- Integrated MongoDB for scalable data handling of 10,000+ records, improving query response time by 30%.s

Def Call | *React, Node.js, Python, and Socket.io* | **GitHub** | **Live preview**   **March 2023 - June 2023**

- Constructed a video platform for deaf and mute users with a machine learning model for ASL gesture recognition, enhancing communication accessibility and user engagement by 50%.
- Achieved 95% gesture accuracy and improved processing speed by 30% with real-time communication using Socket.IO.

Technical Skills

Programming Language: Java, C, Python, SQL
Frontend: ReactJs, HTML/CSS, JavaScript
Backend: Node.Js, Express.Js
Tools: Selenium WebDriver, TestNG, VS Code, Github, Git, Excel