Siddhant Srivastava

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- Proficient in use of C++ programming language.
- Possess a foundational understanding of web technologies including HTML, CSS, and JavaScript, with a grasp of Express Web Framework.
- Successfully balanced academic commitments, technical events, and personal pursuits, showcasing adaptability and resilience.
- Acquired versatile vocal impersonation skills through self-taught mimicry artistry. Staged captivating performances at the college's cultural fest, securing a finalist position in the Freshers' talent competition. Seamlessly blended creativity with an engaging stage presence
- Volunteered as a campus team member for Hacker-Earth IERT, contributing to building a supportive coding community.
- Inspired by the concept of space, embodying a mindset that encourages visionary thinking and setting ambitious goals.
- Adaptable to new environments, a collaborative team player with strong communication, analytical, and computation skills, driven by a fervent enthusiasm for continuous learning, and characterized by confidence, dedication, and a proactive approach.

Projects

Real-Time Web Chat Application using Flask-SocketIO (link)

- Developed a real-time chat web application using Flask and SocketIO.
- Implemented user authentication with session management for secure access.
- Created a login system validating user credentials and providing redirection upon successful login.
- Utilized Flask's templating to render dynamic HTML pages for login and chat.
- Established real-time communication channels using Flask-SocketIO's event handlers.
- Enabled users to exchange instant messages with custom event handling.
- Managed user sessions through Flask's session management and g object.
- Demonstrated debugging skills by logging messages for error identification.
- Showcased proficiency in Flask, SocketIO, user authentication, and JavaScript integration.
- Utilized Python, Flask, SocketIO, JavaScript, HTML, and CSS for implementation.
- Addresses the need for real-time communication and interactivity in modern web applications.
- Offers a solution for secure user authentication and seamless messaging experiences.
- Presents a practical demonstration of combining Flask's web routing with SocketIO's real-time capabilities.
- Serves as a foundation for future expansion and customization in web development projects.

Image Resizing Extension: Enhancing Online Form Submissions (link)

- Developed a browser extension for image resizing in online forms.
- Enhances user efficiency by eliminating the need for external resizing tools.
- Addresses image dimension challenges during online form submissions.
- Simplifies workflow by ensuring images meet required size criteria.
- Solves the challenge of adhering to specific image size requirements during online form submissions.

- Utilized JavaScript, HTML, Canvas API, and FileReader API for dynamic image loading and transformation.
- Implemented FileReader API to transform image data to DataURIs for efficient processing.
- Maintained image aspect ratio during resizing.
- Allows customizable resizing to specified widths, e.g., 200px.
- Designed for cross-platform compatibility using manifest v3.

Secure User Registration and Login System(link)

- Developed a secure user registration and login system using Node.js and Express.
- Utilized MongoDB for efficient storage of user information.
- Employed bcrypt to ensure password privacy via secure hashing.
- Created user-friendly web interfaces using Handlebars (hbs) templates for registration and login.
- Implemented cookie-based session management via cookie-parser for a seamless user experience.
- Addressed password security challenges by utilizing bcrypt's robust hashing mechanism.
- Showcased proficiency in Node.js, Express, MongoDB, and Handlebars while constructing a robust user authentication system.
- Resolved the critical issue of secure user authentication, ensuring protection against unauthorized access.
- Provided robust session management and secure password storage for a seamless user journey.
- Enhanced user data security by storing hashed passwords, safeguarding sensitive details
- Framework and Libraries: Node.js, Express, MongoDB, bcrypt, Handlebars (hbs), cookie-parser.

Dynamic Website for Basic Company Needs (link)

- Developed a dynamic website using Express.js and EJS for showcasing company products and services.
- Features responsive navigation, home page, contact page, and about page for user engagement.
- Includes interactive boxes, external site links, and a contact form to enhance user experience.
- Utilized CSS for styling and JavaScript for interactivity, including navigation and form submission.
- Addresses the need for online presence, communication, and dissemination of basic company information.

- Aims to provide seamless navigation, user engagement, and enhanced user experience.

- Future enhancements include improved styling, backend integration, responsiveness, and more content.

- Planned integration of error handling and database for refined functionality and user feedback.

Skills

- **Languages**: Java, C++, Python
- **Database:** MYSQL, MongoDB
- **API:** Rest, Postman
- **Web Frameworks:** Express, Python-Flask

Education

- **High School:** St Paul's Senior Secondary School with 8.6 CGPA
- **Intermediate:** Deoria Senior Secondary School with 68.4%.
- **B. Tech:** IERT Prayagraj (Ongoing 4th year) with (av.)72.19%

Accomplishments

- Fresher's Finalist Batch 2020
- Solved 250+ questions on leetcode.
- Conducted Coding Contests through Hacker-Earth IERT.
- Volunteered in CodeChef IERT Chapter.