

Kuldeep Singh Bartwal

Software Engineer

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Experience

Cavisson Systems Inc
Associate Software Engineer
Software Engineer

Noida, Uttar Pradesh
Feb 2023 – Oct 2023
Nov 2023 – Present

- Spearheaded the development and maintenance of network communication solutions using socket programming, resulting in a 50% increase in data transfer speed and improving seamless connectivity across multiple platforms.
- Streamlined and executed a state-of-the-art Reliable UDP (RUDP) protocol for Linux systems, enhancing data transmission optimization in a Unix environment; consequently, slashing packet loss by 50% and attaining a 20% acceleration in delivery times.
- Effectively deployed the Reliable UDP (RUDP) protocol, achieving impeccable reliability with zero packet loss and ensuring the seamless transmission of data.
- Facilitated rigorous testing and debugging initiatives in Linux environments, expertly troubleshooting platform-specific issues and guaranteeing seamless compatibility, resulting in a 30% reduction in post-release bug reports and delivering a superior user experience.
- Additionally, contributed to projects involving React JS and Node JS, demonstrating proficiency in full-stack development and enhancing user experience with responsive web applications.

Projects

Note Website | React JS, Express JS, Node JS, JavaScript, MongoDB, Mongoose, Html, CSS, Bootstrap.

- Led the development of a note-taking application, empowering users to sign up, log in, and manage their task lists, including the ability to update, delete, and mark tasks as completed.
- Implemented MongoDB with Mongoose for seamless data storage and retrieval, ensuring scalability and performance optimization.
- Demonstrated proficiency in full-stack development by integrating frontend and backend components, resulting in a user-friendly and responsive application.
- Managed state efficiently using React JS, enhancing user experience and facilitating smooth interaction with the application.
- Live Demo: <https://i-notebook-u78v.vercel.app/login>

Ecommerce Website | Next JS, MongoDB, Mongoose, JavaScript, Html, CSS, Tailwind CSS.

- Developed an e-commerce platform enabling users to sign up, log in, and browse products, with the ability to add items to their cart. The platform calculates the total cost of all products in the cart.
- Utilized Tailwind CSS for rapid UI development, ensuring a modern and visually appealing interface.
- Implemented client-side logic using JavaScript, providing interactive features for users, including adding products to the cart and updating quantities.
- Ensured accessibility and responsiveness across various devices by employing responsive design principles and testing methodologies.
- Live Demo: <https://ecommerce-next-x3mg.onrender.com>

Technical Skills

Languages: Javascript, C, C++, Go, Php, SQL, Python.

Technologies: React JS, Express JS, Node JS, Next JS, React-native, Mongoose, Postman, TailwindCSS, Wordpress, jQuery, Bootstrap, Git and Github, PhpMyAdmin .

Databases: MySQL, MongoDB.

Tools: Sublime, VSCode, Pycharm, Visual Studio.

Operating Systems: Windows, Linux, MacOS.

Education

Ajay Kumar Garg Engineering College

Bachelor of Technology degree with a specialization in Information Technology (8.29 CGPA)

2019-2023

Ghaziabad, Uttar Pradesh

Certifications

Ethical Hacking, Penetration Testing and Bug Bounty Hunting (**Udemy, Unschool**)

For ethical hacking we use a system with fully fledged tools of exploits like kali linux, parrot os.

Web Development (**Internshala**)

PHP, SQL, HTML, CSS, BOOTSTRAP use these technologies for making a e-commerce website.