

Daljit Singh

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Full-Stack developer with experience in designing scalable RESTful APIs and developing full-stack applications. Proficient in Node.js, Express, MySQL, MongoDB, and React.js. Passionate about building efficient backend systems and solving complex problems. Successfully developed and deployed multiple web applications, ensuring performance, security, and scalability.

Experience



FEBURARY 2025 – PRESENT

Software development engineer (SDE) intern | bluestock infotech

Working as a backend developer, designing and implementing restful Api to handle data flow efficiently. Developing and optimizing backend logic using node.js, express.js, and mongodb to improve system performance. Collaborating with frontend developers to integrate api and ensure seamless user interactions. Managing database operations, writing optimized queries, and handling data storage with sql and nosql databases. Enhancing system security and scalability by implementing authentication, authorization, and caching mechanisms. Actively involved in the development of an ipo dashboard, ensuring smooth data processing and analytics.



AUGUST 2023 – SEPTEMBER 2023 (VIRTUAL INTERNSHIP)

Software Development Intern | CodSoft

I worked on multiple web-based projects, including a music app and a portfolio website, utilizing HTML, CSS, JavaScript, and Bootstrap. I gained hands-on experience in both frontend and backend development, enhancing UI/UX design and application functionality. My responsibilities included implementing user authentication, form validation, and dynamic content rendering to improve user interaction. Additionally, I worked on debugging and optimizing code for better performance. This internship helped me develop problem-solving skills and experience working in an agile environment, where I effectively managed project deadlines and delivered high-quality solutions.

Projects

E-Commerce website



JANUARY 2025 – MARCH 2025) | **Technologies:** Reactjs, Node.js, Express.js, MongoDB

I developed a full-stack e-commerce website using the mern stack (mongodb, express.js, react.js, node.js), incorporating essential e-commerce functionalities. The platform supports user authentication with otp-based password recovery, allowing secure login and account management. I implemented a shopping cart system with real-time updates and a payment gateway integration for seamless transactions. Users can review products, while product listings include filtering options by rating, price, category, and subcategory, efficiently handled using query parameters in backend routes. Each product has a dedicated product detail page, providing comprehensive information. The backend features secure restful apis, optimized for performance and scalability. Additionally, authentication and authorization mechanisms ensure data security, while caching enhances response times. The react.js frontend ensures a smooth and dynamic user experience, making the platform fully functional and user-friendly.

CIRCUIT BUILDER AI

 FEBURARY 2024 – PRESENT 2025 | **Technologies:** Reactjs, Node.js, Express.js, MongoDB

I developed a Circuit Builder AI Platform using React.js, TypeScript, React Flow, and Elk.js, enabling users to design, simulate, and export electrical circuits. The platform allows users to create circuits with up to 25 nodes, automatically optimizing layouts using Elk.js for better visualization. I implemented AI-based assistance to help users with circuit suggestions and error detection. The project features an export functionality, allowing users to save circuits in SVG, PNG, and other formats. The backend, built with Node.js and Express.js, handles user data, project storage, and real-time updates. This project showcases my expertise in React.js, data visualization, backend development, and AI-driven UI enhancements.

MUSIC PLAYER WEB APP

 AUGUST 2024 – SEPTEMBER 2024 | **Technologies:** HTML, CSS, JavaScript, Bootstrap

I developed a Music Player Website using HTML, CSS, JavaScript, and Bootstrap, providing users with a seamless music streaming experience. The application allows users to play, pause, skip tracks, and adjust volume, ensuring smooth playback functionality. I implemented custom playlists, enabling users to create and manage their favorite song collections. The UI features interactive buttons, animations, and a responsive design, enhancing user engagement across different devices. Additionally, I optimized the website for performance and fast loading times, ensuring an intuitive and visually appealing experience.

Skills

JavaScript • React.js • HTML • CSS • Bootstrap • Tailwind CSS • Node.js • Express.js • RESTful APIs • MongoDB • MySQL • PostgreSQL • Firebase • Git • GitHub • Postman • AWS (Basics) • Firebase • JWT Authentication • React Flow • Elk.js • Nodemailer • Problem-Solving • Data Structures & Algorithms (DSA) • API Design

Education

Bachelor of technology (b.tech) in computer science

Punjab Technical University (PTU) • Punjab, India • **expected graduation: 2026**

cgpa: **8.15/10**