Daljit Singh

📞 9056307291 • ✉ diljit2164@gmail.com • 🌐 linkedin.com/in/daljit-singh-14388b264 • 💻 github.com/Diljit77

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. Experienced in building and deploying scalable full-stack applications, with a focus on performance, security, and real-world usability.

Experience

📅 MAY 2025 – AUGUST 2025

Backend developer intern | Totle

Working as a backend developer, I was responsible for building and optimizing several critical backend modules for the platform. My work involved designing RESTful APIs for managing sessions, availability slots, and feedback systems using Node.js and Express.js. I implemented dynamic question generation for qualification tests by integrating OpenAI's GPT APIs, customizing prompts based on topic and learner profiles. Additionally, I developed robust logic to handle both topic-specific and generic session offerings and ensured accurate validation for booking, including cooldowns and conflict detection. I also contributed to learner progression tracking by mapping topics to their respective domains and subjects using hierarchical catalog data and Sequelize ORM.

📅 FEBRUARY 2025 – MARCH 2025

Software development engineer (SDE) intern | Bluestock fintech

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 front-end 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.

📅 APRIL 2025 (VIRTUAL TRAINING + INTERNSHIP)

Web Development Trainee | TechSonix Solutions

Participated in the TechSonix Employability Program, a 4-week virtual training and internship focused on web development fundamentals. Attended Zoom-based sessions and completed a hands-on task to receive certification. Gained practical experience in frontend and backend technologies, strengthening skills in building responsive web applications.

📅 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

MINI-LINKEDIN WEB APP

📅 AUGUST 2025 – SEPTEMBER 2025 | **Technologies:** React.js, Node.js, Express.js, MongoDB

I developed a LinkedIn-inspired social networking platform that allows users to create and manage professional profiles, connect with others, and share posts. The application includes authentication features (signup, login, JWT-based sessions) and supports content creation with text, images, GIFs, and drafts. Users can like, comment, and reply to comments, as well as send connection requests and share posts publicly or with connections only. The platform also provides real-time messaging with support for text, images, and GIFs, enabling interactive communication. I implemented responsive UI using Tailwind CSS and Zustand for global state management, ensuring smooth navigation and a user-friendly experience.

E-Commerce website

🗓 JANUARY 2025 – MARCH 2025*)* **|Technologies:** React.js, 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 smooth and dynamic user experience, making the platform fully functional and user-friendly.

CIRCUIT BUILDER AI

🗓 FEBRUARY 2025 – MARCH 2025 **|Technologies:** React.js, 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.

Skills

JavaScript • React.js • HTML • CSS • Bootstrap • Tailwind CSS • Node.js • Express.js • RESTful APIs • MongoDB • MySQL • PostgreSQL • Firebase • Git • GitHub • Postman • AWS (Basics) • JWT Authentication • React Flow • Elk.js • Nodemailer • API Design • Deno • prompt engineering

Education

Bachelor of technology (B.Tech) in computer science
Punjab Technical University (PTU) • Punjab, India • **expected graduation: 2026**
CGPA: **8.15/10**