Saransh Pachhai

Email: saranshpachhai@gmail.com
Contact No: +977 9812514590
Github: https://github.com/saransh619
Linkedin: https://www.linkedin.com/in/saransh-pachhai-b01494134/

Academic Qualification:

- **Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT),** Tribhuvan University, Himalaya College of Engineering (HCOE), Chyasal, Lalitpur, 2017 - 2022. Graduated with a percentage of 67.62%.
- **Higher Secondary Education Board (HSEB),** Jaya Bageshwari Higher Secondary School, Nepalgunj, Banke. Completed in 2016 with a First Division (61.3%).
- **School Leaving Certificate (SLC),** Angels High School, Nepalgunj, Banke. Completed in 2014 with a First Division (68%).

Experience:

- **Frontend Developer Intern (React JS)**, ITGlance, Tripureshwor
  March 14, 2022 - June 14, 2022 (3 months)
    - Contributed as a Frontend Developer Intern, focusing on the Job Portal System using React JS, Redux, and Context API hooks.
    - Utilized Tailwind CSS for a polished and efficient user interface.

- **Frontend Developer Traineeship (React JS)**, Treeleaf Technologies, Lalitpur
  June 2022 - August 2022 (3 months)
    - Worked as a Trainee on the EverFund project, a charitable website for elderly people.
    - Developed features using React, including both class-based and functional components.
    - Implemented responsive design, API handling, and state management using Redux, Redux Thunk, and Redux Saga.

- **Backend Developer Intern (Node JS)**, Varosa Technology Pvt. Ltd., Sanepa, Lalitpur
  September 19, 2023 - December 19, 2023 (3 months)
    - Involved in Backend Development Internship, contributing to projects like GUMP (Genese Unified Mailing Platform) and CRM (Customer Relationship Management).
    - Worked on the FreeSMS project using Swagger, implementing basic auth for enhanced security.
    - Understood the principles of serverless development and successfully created a Serverless Sequelize project for streamlined database management, utilizing Express, Sequelize, and Docker for simple deployment.

- **Mid-Level Backend Developer (Node.js),** Inflancer Technology Pvt. Ltd., Gwarko, Lalitpur
  February 2024 - Present
    - Joined Inflancer Technology as a Jr. Backend Developer and was promoted to Mid-Level Backend Developer. Contribute to the Inflancer project across iOS, Android, and web platforms.
    - Utilized TypeScript and Node.js for robust and efficient backend development.
    - Implemented image processing and optimization using Sharp, and video optimization with FFmpeg.
    - Leveraged Digital Ocean for scalable and reliable cloud infrastructure.
    - Designed and executed complex aggregation operations in MongoDB for efficient data handling and analysis.
    - Utilized Socket.io for real-time messaging and in-app notifications, handling text, images, and files.
    - Integrated Firebase for push notifications.
    - Managed task automation with cron job scheduling to streamline backend processes.
    - Developed admin panels with detailed analytics and reporting to enhance decision-making and platform management.

Projects:

- Currently contributing to the Inflancer project, a social media platform designed to connect people, share moments, stories, and feeds. I have developed backend features using TypeScript and Node.js, implemented image and video optimization with Sharp and FFmpeg, and utilized Digital Ocean for cloud infrastructure.

- Implemented a Job Portal System featuring role-based authentication (Admin, Recruiter, Viewer) using React JS with Tailwind CSS. The backend was developed using the Java Spring Boot Framework, ensuring a secure and seamless user experience.

- Contributed to the EverFund Project, a real-world US-based initiative for charitable organizations. Employed pure code, Redux Thunk, and the Ant Design library in React for enhanced functionality and a user-friendly interface.

- Developed an advanced MERN Stack project, seamlessly connecting Frontend, Backend, and Database. Integrated Middlewares, and NoSQL databases, and implemented secure login-based authentication using Tokens and cookies.

- Developed GUMP as a Node.js backend developer with TypeScript. Implemented key features for mass mailing, including User Registry, Template Designer, Email Sanitization, and Campaign Configuration.

- Contributed to a Node.js-based Customer Relationship Management (CRM) system using TypeScript. Improved customer interactions, leading to significant organizational growth. Managed customer relationships, tracked communication, and utilized data analytics for enhanced engagement.

- Contributed to the FreeSMS Project, a Node.js-based initiative, working with TypeScript, Basic Auth, and Swagger implementation. Implemented Basic Auth for enhanced security, ensuring a robust and secure messaging platform.

- Built a project with Serverless Sequelize for seamless database management. Used Express and Sequelize with Serverless deployment, supporting multiple databases, organized in clear folders, and featuring Docker support for easy deployment.

Technical Skills:

Programming languages: JavaScript, React, Node, TypeScript, Java

Web technologies: Proficient in the MERN Stack (MongoDB, Express, React, Node) and containerization through Docker for efficient application deployment.

Database management: MongoDB (NoSQL), MySQL, PostgreSQL

APIs: Well-versed in REST and GraphQL for efficient communication between web services.

Miscellaneous: Python programming (Data Science)

Operating system: Windows, Linux

Hobbies:

- Reading books and art collecting
- Content Writing
- Gaming
- Photoshop and Video editing
- Watching Anime, Movies and TV series

Career Summary:

Result-oriented individual with a strong aptitude for organization and customer care. Resourceful with a talent for blending creativity and possessing good communication skills to understand and meet the interests and needs of customers. Proficient in various applications and computer literate with extensive proficiency.

Certification:

I, Saransh Pachhai, hereby certify that, to the best of my knowledge and belief, this resume accurately reflects my qualifications and personal details.