Saransh Pachhai

Bachelors in Computer Science and Information Technology

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Personal Information:

- Name: Saransh Pachhai
- Father's Name: Mr. Sanjay Pachhai
- Mother's Name: Mrs. Ajita Pachhai
- Date of Birth: 20th May 1998
- Gender: Male
- Permanent Address: Nepalgunj, Banke
- Temporary Address: Shankhamul, Kathmandu
- Citizenship No: 66-01-73-00797
- Nationality: Nepali
- Languages: Nepali, English

Academic Qualification:

- I obtained my School Leaving Certificate (SLC) from Angels High School in Gharbari Tole-02, Nepalgunj, Banke, in 2014, achieving a First Division with a score of 68%.
- I completed my Higher Secondary Education Board (HSEB) from Jaya Bageshwari Higher Secondary School (J.B.H.S.S) on Surkhet Road, Nepalgunj, Banke in 2016, securing a First Division with a percentage of 61.3%.
- I pursued my Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) from Tribhuvan University, offered through Himalaya College Of Engineering (HCOE) in Chyasal, Lalitpur, from 2017 to 2022, and graduated with a percentage of 67.62%.

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.

- **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 basicAuth 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.

- **Jr. Backend Developer (Node JS)**, Inflancer Technology Pvt. Ltd., Gwarko, Lalitpur
  February 2024 - Present
    - Currently working as a Backend Developer, contributing to the Inflancer project available on 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.

Projects:

- Currently contributing to the Inflancer project, available on iOS, Android, and web platforms. 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.

- Executed my college final year project, the Tomato Leaf Disease Prediction System, utilizing the CNN Machine Learning algorithm. Analyzed a comprehensive dataset of a thousand tomato leaf images from Kaggle for accurate disease predictions.

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

- Created a Weather App with Node.js and Express.js for fast API performance. Used the OpenWeatherMap free API to get real-time weather data globally, giving a complete overview.

- 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.