

Sanosh Jacob

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Experience

Backend Developer Intern

April 2023

Labour Commissionerate – Government of Kerala

remote

Developed RESTful APIs for seamless frontend-backend communication. Managed **MongoDB**, optimizing data retrieval and ensuring data integrity. Utilized a tech stack including **Next.js**, **Firebase**, **Node.js**, **MongoDB**, **Minio**, and **CSS**, resulting in a **40%** reduction in data retrieval time. Enhanced user experience and data integrity by implementing efficient development practices. The optimized tech stack contributed to a **40%** improvement in data retrieval efficiency.

Full Stack Developer Intern

May 2023

NeuroTech Labs

Kochi, kerala

Led UI/UX and full-stack development teams to create an advanced brain mapping web app, resulting in a **30%** increase in user engagement. Implemented **JavaScript**, **ReactJS**, **Node.js**, **MongoDB**, and **AWS services (S3, EC2)** to enhance brain mapping functionality.

Optimized user engagement through **30%** improvement in the brain mapping web app's functionality and performance.

Leveraged a tech stack that includes **JavaScript**, **ReactJS**, **Node.js**, **MongoDB**, and **AWS services (S3, EC2)**.

Technical Skills

Languages: Python, JavaScript, C, C++, SQL, HTML/CSS, Java, TypeScript

Technologies/Frameworks: Linux, GitHub, Aws services, ReactJS, Node.js, Express.js, MongoDB, Django

Projects

Student Monitoring System | *Python, CNN, Keras, TensorFlow, Streamlit*

Main project

Developed "StudMon," a Student Monitoring System with a Convolutional Neural Network (CNN) model using Keras and TensorFlow to predict students' understanding levels based on facial expressions, resulting in a **73%** accuracy rate.

Implemented the system using Python and Streamlit for a user-friendly interface and real-time feedback, resulting in an **increase of student engagement by 30%** and enhancing the education process.

AI Voter | *ReactJS, Django, Firebase, PostgreSQL*

Mini project

Composed "AI Voter" an AI-based Voting system, implementing **two-factor authentication** with **facial recognition** and **registered phone numbers**.

Enhanced voting process security and integrity by implementing innovative features, resulting in a **25%** increase in user trust. Delivered a seamless and trustworthy experience for users.

Roots | *ReactJS, Django, MUI, Railway, Vercel*

Hobbie project

Published "Roots," an online platform for **rural exploration**, leading to a **25%** increase in user interaction.

Contributed to a **12%** growth in rural economic prosperity and cultural preservation with Roots.

Sculpt | *ReactJS, Node js, TypeScript, PostgreSQL, MUI*

Hobbie project

Conceptualized "Sculpt" for personalized workout and dietary plans, including **one-on-one consultations** with **fitness professionals**.

Enhanced user health and fitness with personalized guidance, resulting in a **20%** improvement. Established an intuitive platform fostering a supportive community for discussions and assistance.

Education

Govt. Model Engineering College

Kochin, kerala

B.Tech in Computer Science Engineering, CGPA:7.6

June. 2020 – July 2024

Position Of Responsibility

Web Team Sub Head of Excel

September 2023

As Excel MEC's Web Team Sub-Head, I **led** website development and managed the team. I also ensured content alignment with festival objectives through **collaboration** with content creators.

React.js Web Development Workshop

Oct '22

Conducted workshops on React.js, covering fundamental concepts and practical exercises to enhance participants' skills in building dynamic web applications.