

SANOSH JACOB

☎ +91 8138820015 ✉ sanoshjacob.mec@gmail.com [in linkedin.com/in/sanoshjacob](https://www.linkedin.com/in/sanoshjacob) github.com/jacobsanosh
🌐 sanoshjacob.com

Technical Skills

Languages: Python, JavaScript, C, C++, Java, HTML5/CSS3, TypeScript, SQL
Technologies/Frameworks: ReactJS, Node.js, Express.js, Django, FastAPI, Tailwind CSS, Bootstrap, Next.js, jQuery, MongoDB, PostgreSQL, MySQL
Cloud/DevOps and Tools: AWS Services, Docker, Git, Bitbucket, Streamlit, Linux

Experience

CodeHall

July 2024 – August 2024

Software Engineer Intern

Bengaluru, Karnataka

- OCP is an internal platform used for scheduling meetings, assigning tasks, and setting up interviews.
- Integrated the OCP platform with Google Calendar API for event and meeting scheduling.
- Utilized FastAPI, React.js, MySQL, and Docker to implement seamless scheduling functionalities.
- Achieved 85% code coverage with pytest, ensuring high accuracy and reliability of the scheduling features.

Labour Commissionerate – Government of Kerala

August 2023 – November 2023

Backend Developer Intern

remote

- Developed Karmachari, a platform to streamline the campus recruitment process across Kerala, addressing the communication and coordination challenges between companies and campuses.
- Implemented hierarchical registration and verification for students, colleges, and companies using Next.js for the frontend, Node.js for the backend, and MongoDB with MinIO for storage.
- Enhanced recruitment coordination, reducing processing delays by 25% and improving the accuracy of opportunity distribution across participating colleges.

NeuroTech Labs

May 2023 – July 2023

Full Stack Developer Intern

Kochi, Kerala

- Created a system for capturing and processing brainwave signals from wearables at NeuroTech Labs.
- Facilitated data transfer to an R-based backend, led frontend and UI/UX development, and utilized AWS services like EC2 and Lambda for hosting, with data stored in S3 buckets. This setup improved data processing efficiency by 30%.
- Enhanced the reliability and efficiency of brainwave monitoring through streamlined data handling and storage.

Projects

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

May 2024

- Designed a student monitoring system to evaluate students' understanding during class using CNN, TensorFlow, Keras, and Streamlit.
- Implemented emotion recognition from student images and mapped these emotions to levels of understanding, achieving 76% accuracy on Indian faces.
- Improved real-time feedback on student engagement and comprehension, enhancing classroom interaction and learning outcomes.

AI Voter | ReactJS, Django, Firebase, PostgreSQL

June 2023

- Created "AI Voter," a voting system with facial recognition and phone number verification using CNN, Django, React, Firebase, and PostgreSQL.
- Achieved 68% accuracy in facial recognition, effectively integrating with phone number verification for enhancing security.
- Improved voting system security and reliability, increasing user confidence and trust in the process.

Roots | ReactJS, Django, MUI, Railway, Vercel

March 2023

- Launched "Roots," a platform designed to connect tourists with local artisans and cultural experiences in Kerala.
- Enabled immersive activities like exploring life with fishermen and participating in cultural workshops, while providing a marketplace for artisans to sell their artifacts.
- Contributed to the economic upliftment of local communities and preserved Kerala's rich traditions, enhancing both local and visitor experiences.

Education

Govt. Model Engineering College

June 2020 – July 2024

B.Tech in Computer Science Engineering, CGPA:8

Kochi, kerala