

# SAMRUDH KISHSAN P.M.

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## OBJECTIVE

As a fresh graduate, I am looking for an opportunity that will enable me to creatively showcase my talents all the while adapting to challenge new skills and processes to build my ideal career.

## EDUCATION

### B.Tech, Electronics and Communications Engineering

APJ Abdul Kalam Technological University  
Government College of Engineering, Kannur

December 2020 - May 2024

CGPA : 7.58 (First Class)

## TECHNICAL SKILLS

**Programming Languages:** Python(Proficient), C++.

**Web Development:** HTML, CSS, JavaScript, Typescript, TailwindCSS.

**Libraries/Frameworks:** React.js, Node.js, Express.js, Redux.

**Database :** MySQL, MongoDB.

**Tools:** Visual Studio Code (VS Code), Git, Vite

**Platforms:** Vercel, Github.

## PROJECTS

### Ecommerce website - MERN | Redux | JWT

Feb 2025 - May 2025

Developed an E-commerce website for clothes shopping for men and women using MERN Stack.

- Created Authentication features using JWT, cart functionality using redux for state management, Admin Panel for creating, updating, deleting users, products.
- Integrated a Search bar and a Filter to navigate resources using features such as color, category, gender, size, material etc.
- Used tailwind for styling a responsive design for multiple screen sizes.

### Tmdb Clone - React | Tailwindcss

Jan 2025

Developed a movie database app using React JS, Vite, Tailwind CSS, and the TMDB API:

- Integrated TMDB API for movie details, ratings, and genres.
- Implemented search, genre filtering, rating sorting, and a persistent watchlist with Local Storage.
- Used React Router DOM for navigation, managed state with React hooks (useState, useEffect) and Axios for API integration.

### Portfolio - React

Jun 2024 - Dec 2024

- Built a responsive portfolio using React.js, showcasing projects and skills with interactive UI components.
- Implemented React Router and Hooks for navigation and state management.
- Deployed on Vercel, achieving 90+ Lighthouse performance score.

### Water Quality Monitoring System using LoRaWAN

Dec 2022 – May 2023

Collaborated in a team of four to design and demonstrated the working model of project.

- Deployed sensors to measure pH, turbidity, and total dissolved solvents with long-range data transmission.
- Designed a centralized dashboard for real-time data visualization and analysis.quality issues.
- Optimized for remote locations with low power consumption and efficient communication.

### Pollution Monitoring System for Enhancing Sustainability of Environment using IoT

Jun 2023 - May 2024

Collaborated in a team of four to design and implement an IoT-based pollution monitoring system.

- Monitored air quality, sound pollution, CO levels, and particulate matter with ESP32-CAM for video streaming.
- Developed the Airify Android app for live data visualization, analysis, and remote control streaming.
- Powered by a 15W solar panel and integrated safety measures for high CO levels like a suction pump.
- Used Firebase for real-time data storage and updates.